



Digitized by the Internet Archive
in 2017 with funding from
CLIR

<https://archive.org/details/fieldnotesv144300lidi>



Lidicker, W. Z.

1975 - 1978

Catalogue

3592 - 3609

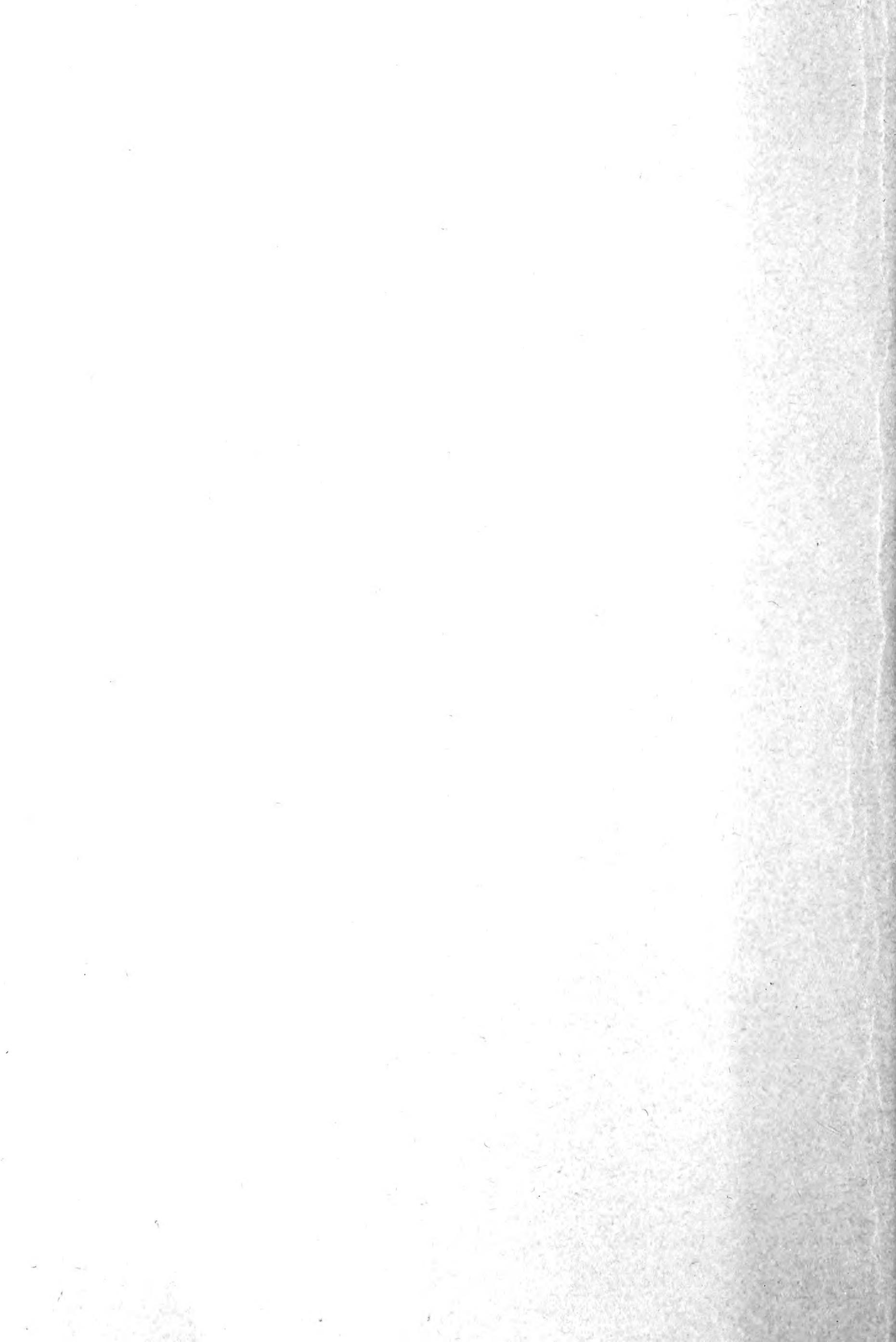
Calif

Oregon

Alaska

Colorado

Switzerland (Pt.)



LIDICKER
1975

4 1/2 mi. W, 2 1/2 mi. S Leggett, Mendocino Co., Calif.

March 23 1975

13392.	♂ <i>Microtus californicus</i>	5-8g.	test. 8x5 mm. 185-53-23-16
13393.	♀ "	39g.	5 sub. x 7 mm. 175-48-21.5-15
13394.	♀ "	42g.	4 sub. x 11 mm. 179-49-21-16
13395.	♀ "	22g.	multi. per. mm. 141-35-21-13
13396.	♂ "	24g.	test. 6x4 mm. 151-40-21-13
13397.	♂ "	26g.	test. 6x4.5 mm. 146-35-21-15

Big Legom, 8 mi. S, 2 1/2 mi. W Orick, Humboldt Co., Calif.

March 24

13398.	♀ <i>Sorex</i>	2 1/2 g.	102-38-12.5-5
		1150 ft.	locality
			Mendocino Co., Calif.
			4 1/2 mi. W, 2 1/2 mi. S Leggett
13399.	♂ <i>Microtus californicus</i>	50g.	test. 6x4.5 mm. 185-50-22-15
✓3400.	♂ "	45g.	test. 6x4 mm. 186-53-22-15
		100 ft.	Juan Creek, 2 3/4 mi. N Rockport, Mendocino Co., Calif.

March 23

3401.	♀ <i>Microtus californicus</i>	52.5g.	5 sub. x 19 mm. 183-44-22-14
3402.	♀ "	38g.	5 sub. x 19 mm. 180-47-21.5-15
3403.	♀ "	27g.	5 sub. x 1 1/2 mm. 159-35-20-14

3404. *Petrochæsops attenuatus*

4 mi. S Selma, 1350 ft., Josephine Co., Oregon

March 25

3405.	♀ <i>Microtus</i>	36g.	no sub. per. mm. 165-42-22-14
3406.	♀ "	41g.	4 sub. x 4 mm., mamma well developed 177-43-22.5-15
3407.	♀ "	41g.	6 sub. x 4 mm. 170-44-22-15

LIDICKER
1975

Dry Lagoon Beach St. Park, $3\frac{1}{2}$ mi. S, $2\frac{3}{4}$ mi. W Orick, Humboldt Co.
Calif.

March 23

3408 *Hylo regilla*

March 24

3409	♀	<i>Microtus longicaudus</i>	28 g.	179-52-22-14 5 sub. x 3 mm.
3410.	♀	"	29 g.	176-56-21-14 4 sub. 12 x 6.5 mm.
3411.	♂	"	35 g.	188-66-23-15 4 sub. 12 x 7 mm.
3412.	♂	"	33.5 g.	178-59-22-14

0.6 mi. W Klamath River, Siskiyou Co., Calif.

March 26

3413	♀	<i>Sorex</i>	7.8 g.	5 sub. x 5 mm. 12.5 mm.
------	---	--------------	--------	-------------------------

1575 ft.
1/4 mi. E. Hamburg, Siskiyou Co., Calif.

March 26

3414	♂	<i>Sorex</i>	6.8 g.	4 sub. 5 x 4 mm. 121-48-15-7
3415	♀	<i>Sorex</i>	5.7 g.	4 sub. 4 mm. 117-47-14-7
3416	♀	<i>Microtus</i>	27.6 g.	mult. long. 1/2 mm. wide, cycling. 151-35-21.5-13

0.6 mi. W. Klamath River, 1750 ft. Siskiyou Co., Calif.

March 26

3417.	♀	<i>Microtus</i>	L&K - 3413	48 g. 6 sub. x 3 mm.
-------	---	-----------------	------------	----------------------

1/4 mi. E. Hamburg, 1575 ft. Siskiyou Co., Calif.

March 26

3418	♂	<i>Microtus</i>	coll. by D. Krothe dead in trap.	62.6 g. 204-55-23.5-17 4 sub. 6.5 x 4 mm.
3419.	♂	<i>Peromyscus maniculatus</i>	15.8 g.	153-67-20-14.5 4 sub. 13 x 7 mm.
3420.	♂	<i>Peromyscus truei</i>	coll. by S. Yang dead in trap.	31.8 g. 193-87-24-23 4 sub. 8.5 x 5.5 mm.
3421.	♂	<i>Microtus</i>	B, L&K	53 g. 176-44-22.5-15 4 sub. 8 mm. 5.5 x 12 mm.

LIDICKER

1975

0.6 mi. W Klamath River, 1750 ft., Siskiyou Co., Calif.

March 26

3422 ♀ Microtus 4 18.5 cm.
B, K+L 41g 179-44-22-15

Klamath River, 1750 ft., Siskiyou Co., Calif.

March 26

3423 ♀ Microtus 7 cm. x 6 mm. ext. body molt
B, K+L 43g 173-43-23-14

1/2 mi. E Hamburg, 1575 ft., Siskiyou Co., Calif.

March 26

3424 ♂ Peromyscus truei B, K+L 17g 186-89-25-22.5
Killed 3 April. test. 7.5 x 4.

3425 ♀ " " B, K+L 13g 173-80-23-21
Killed 3 April. 2 pl. scus.

3426 ♀ " " B, K+L 30g 201-96-24.5-23
Killed 3 April. test. 12 x 7 mm.

3427 ♂ " " B, K+L 24g 177+78+23-23

Janon Creek, 2 3/4 mi. N Rockport, Mendocino Co., Calif.

March 23

3428 ♀ Peromyscus maniculatus 19.0g 170-78-21-16
killed. died on 3 April.

1/2 mi. E Hamburg, 1575 ft., Siskiyou Co., Calif.

March 26 (killed Apr. 10)

test. 9 x 5.5 mm. ext. obs.

3429 ♂ Peromyscus maniculatus 19.7g 169-74-21-16

test. 9 x 6 mm. ext. obs.

3430 ♂ " " 20.4g 178-83-21.5-17
Killed. horns st. var.

3431 ♀ " " 21.2g 166-71-21-16

test. 12 x 7 mm. ext. obs.

3432 ♂ " truei 28.7g 192-90-22-18
no ears.

3433 ♀ " " 23.8g 190-91-22-18.5

Brooks Island, Contra Costa Co., Calif.

9-14 April (coll. by F.C. McCallum)

3434 ♂ Microtus californicus Fm 39 B, K+L test. 9 x 5.5 mm.
57.0g 193-53-22-14
Fm 13 B, K+L 1.20 mm, 2+2+2 pl. scus, rip. folls.
44.8g 186-53-22.5-15 hot.
Fm 21 B, K+L test. 9 x 5.5 mm. 0.3 scus + ears
53.0g 188-52-22.5-14

LIDICKER

1975

Brooks Island, Contra Costa Co., Calif.

9-14 April (coll. by F.C. McCollum)

FCM 23 B,K,+L fast. 9x6 mm.

3437	♂	<i>Microtus californicus</i>	42.8	♀	180-49-22-14
			FCM 46	B,K,+L 6 emb x 3 mm + pl. scars; lact.	
3438	♀	"	42.0	♀	174-48-20-13.5
			FCM 12	B,K,+L 6 emb, 5 pl. scars	
3439	♀	"	44.8	♀	182-51-22-13
			FCM 23	B,K,+L 2 emb 8 mm, 41 x 4 mm + pl. scars	
3440	♀	"	44.3	♀	185-53-21-14
			FCM 18	B,K,+L fast. 9x6 mm	
3441	♂	"	52.3	♀	185-51-21.5-14
			FCM 28	B,K,+L fast. 9x6 mm	
3442	♂	"	49.9	♀	176-43-22-13.5
			FCM 37	B,K,+L fast. 9x6 mm	
3443	♂	"	53.9	♀	185-47-21-13
			FCM 7	B,K,+L 5 emb x 12 mm	
3444	♀	"	42.3	♀	172-45-22-14
			FCM 32	B,K,+L 6 emb x 19 mm	
3445	♀	"	46.7	♀	168-44-21-13
			FCM 6	B,K,+L st. scolis both ends; fast. 8x5.5 mm	
3446	♀	"	46.4	♀	177-45-21-14
			FCM 40	B,K,+L fast. 4.5x3 mm	
3447	♂	"	50.0	♀	124-32-19-11
		SKULL ONLY	19.2	♀	
3448	♂	"	FCM 47	B,K,+L fast. 5x3 mm	
		SKULL ONLY	20.5	♀	132-34-20-10
			FCM 41	B,K,+L 5 emb x 3 mm	
3449	♀	"	50.0	♀	141-36-19.5-12
		SKULL ONLY	26.7	♀	
3450	♀	"	FCM 9	B,K,+L whl. p., horns 1 1/2 mm wide; 3 pl. scars	
		SKULL ONLY	21.1	♀	134-35-20-12
3451	♂	"	FCM 42	B,K,+L fast. 4 1/2 x 4 1/2 mm; 2.20 + visible	
		SKULL ONLY	26.5	♀	150-41-20.5-13
3452	♀	"	FCM 17	B,K,+L no emb, 9 pl. scars (1 + sets)	
		SKULL ONLY	36.0	♀	176-49-20.5-14
3453	♀	"	FCM 4	B,K,+L 6 emb x 2 mm + pl. scars	
		SKULL ONLY	36.7	♀	175-48-22.5-14
3454	♀	"	FCM 29	B,K,+L 7 emb x 3 mm + pl. scars	
		SKULL ONLY	36.1	♀	171-46-21-13
3455	♀	"	FCM 30	B,K,+L no emb, 7 distinct + 3 faint pl. scars	
		SKULL ONLY	37.2	♀	175-48-20.5-14 lact.
3456	♂	"	FCM 19	B,K,+L fast. 4 1/2 x 4 1/2 mm; ext. visible	
		SKULL ONLY	36.7	♀	163-43-20.5-13.5
3457	♀	"	FCM 33	B,K,+L no emb, many pl. scars; 4 c. hemorrh. in ea. ar.	
		SKULL ONLY	39.9	♀	177-46-21-14.5
3458	♀	"	FCM 66	B,K,+L 7 emb x 7 mm, lact.	
		SKULL ONLY	38.2	♀	190-50-21.5-13
3459	♀	"	FCM 44	B,K,+L 5 pl. scars	
		SKULL ONLY	38.7	♀	168-44-22-13
3460	♀	"	FCM 1	B,K,+L 6 emb x 4 mm, lact.	
			40.5	♀	173-46-21.5-12.5-
3461	♀	"	FCM 36	B,K,+L no emb, lact.	
			40.3	♀	170-42-20-15-

L'DICKER
1975

Brooks Island, Contra Costa Co., Calif.

9-14 April (coll. by F.C. McCollum)

			FCM		B.L. + K. test. 2x5, et. visible
3505.	♂	<i>Microtus californicus</i>	14		45.95. 176-44-21-14
		BUFFY			B.L. + K. test. 2x5, et. visible
3462.	♂	"	49		53.45. 182-48-22-14
					B.L. + K. ph. scars, last.
3463.	♀	"	46		48.25. 172+38-21.5-13
		BUFFY			B.L. + K. 9 emb. x 9 mm, last.
3464.	♀	"	10		48.85. 188-58-21-15.5
					B.L. + K. mid. scabs & scratches, 31.8+ mm.
3465.	♂	"	20		53.75. 183-45-22-14
					B.L. + K. 6 emb. x 25 mm.
3466.	♀	"	2		43.15. 143-35-19.5-12
					B.L. + K. test. 2x5 mm; et. visible
3467.	♂	"	27		50.15. 183-49-20.5-14
					B.L. + K. test. 2x5 mm; et. visible
3468.	♂	"	48		54.15. 186-51-22-14

50 km. NW. Fairbanks, along Elliott Highway, Alaska

July 24 (coll. by S. West)

			B.L. K.	7 emb. x 9 mm, last.
3469.	♀	<i>Clethrionomys multilus</i>		28.55. 135-28-19.5-14
3470.	♀	"	B.L. K.	4 emb. x 7 mm.
				26.55. 135-25-19-13.5

1/2 mi. NW Univ. of Alaska, Fairbanks, Alaska

July 19 (killed July 24) - coll. by S. West

			B.L. K.	test. 11x7 mm; et. visible
3471.	♂	<i>Clethrionomys multilus</i>	23.5.	130-31-20-13.5
3472.	♂	<i>Microtus oeconomus</i>	395.	test. 8x5.5 mm; et. visible

Yukon Hand Rd, 3.8 mi. N Hess Creek Bridge, 1000 ft. 21.5 mi. NW

Livergood, Alaska

July 28

			B.L. K.	test. 2 1/2 x 1 1/2 mm.
3473.	♂	<i>Clethrionomys multilus</i>	175.	124-30-19-13
3474.	♂	<i>Microtus xanthognathus</i>	35.55.	test. 3 x 1 1/2 mm.
3475.	♀	"	B.L. K.	152-36-24-15
3476.	♂	"	33.55.	test. 3 x 1 1/2 mm.
3477.	♂	"	B.L. K.	145-32-23-14
3478.	♂	"	355.	test. 3 x 1 1/2 mm.
3479.	♂	"	B.L. K.	133-29-20-14
3480.	♀	"	16.55.	test. 2 1/2 x 1 1/2 mm.
			B.L. K.	114-23-19-14
			175.	test. 3 x 1 1/2 mm.
			B.L. K.	122-27-19.5-12.5
			26.55.	4 emb. x 18 mm + 1 mm x 5 mm
				148-36-19.5-10

WICKER
1975

Yukon Hand Rd., 3.8 mi. N. Hess Creek Bridge, 1000 ft., 21.5 mi. NW

July 28

Livingood, Alaska

3481	♀	<i>Clethrionomys multimaculatus</i>	B.L.K	17 g.	no anal. multi.
3482	♀	<i>Microtus</i>	B.L.K	34 g.	113-29-18-12 Duct, 20 mm.
3483	♂	" <i>insulicola tanaensis</i>	B.L.K	17 g.	155-32-19-11.5 test 2x1mm.
3484	♂	"	B.L.K	35.5 g.	124 test 14x9 mm.; ov. visible
3485	♂	<i>Clethrionomys multimaculatus</i>	B.L.K	15.5 g.	157-32-19.5-12.5 test 2x1mm.
3486	♀	<i>Microtus</i>	B.L.K	18 g.	116-22-18-13 nullip.
					123-28-18.5-11

Yukon Hand Rd., 4.3 mi. N Hess Creek Bridge, 1000 ft., 22 mi. NW

July 28

Livingood, Alaska

3487	♂	<i>Microtus xanthognathus</i>	B.L.K	45 g.	test. 3x1½ mm.
3488	♂	"	B.L.K	27.5 g.	164-34-24-16 test. 2x1½ mm.
3489	♂	<i>Clethrionomys</i>	B.L.K	16.5 g.	135-29-22-13 test 2x1mm.
3490	♀	<i>Microtus xanthognathus</i>	B.L.K	19.5 g.	122-25-19-14 nullip.
3491	♂ ♀	"	B.L.K	38.5 g.	128-27-21-15 nullip.
3492	♂	"	B.L.K	49 g.	149-32-22.5-14 nullip.
3493	♀	"	B.L.K	35.5 g.	162-36-24-16 nullip.
3494	♂ ♀	"	B.L.K	85.5 g.	153-33-23-15 no anal. parous; ov. inactive
3495	♀	"	B.L.K	86 g.	204-48-23-17 no anal. test 3x1.5 mm.
3496	♀	"	B.L.K	86 g.	201-41-24.5-17.5 no anal. parous; ov. inactive
3497	♂	"	B.L.K	33 g.	201-45-24-17.5 test. 3x1½ mm.
3498	♂	"	B.L.K	32.5 g.	152-33-23.5-15 no anal. parous; ov. inactive
3499	♀	"	B.L.K	72.5 g.	153-32-24-15 no anal. parous; ov. inactive
3500	♀	"	B.L.K	30.5 g.	196-40-24.5-17 nullip.
3501	♂	"	B.L.K	29.5 g.	147-33-23.5-13 test. 3x1½ mm.
3502	♀	"	B.L.K	22 g.	140-29-23-13.5 nullip.
3503	♀	"	L.K	17 g.	121-27-21.5-12.5 nullip.
					118-28-21-12

LIDICKER
1975
to
1976

Yukon Haul Rd. 4.3 mi. N Hess Creek Bridge, 1000 ft., 22 mi. NW

July 28

Livingood, Alaska

BLK. $t \times 2\frac{1}{2} \times 1\frac{1}{2}$
249. 130-30-22-2.5

3504. ♂ *Microtus xanthognathus*

3505. (see above 3462)

Hastings Natural History Reservation, Monterey Co., Calif.

Nov 15 coll. J. Dutton

$t \times 3 \times 1\frac{1}{2}$

3506. ♂ *Lasionys amoenus*

26.5g. 142-52-13.5-17

1\frac{3}{4} km. N, 1\frac{1}{4} km. W Colfax, 2200 ft., Placer Co., Calif.

March 14, 1976

• BLK, L.

300g. x 5 mm. (perist. 250 mm.)

3507. ♀ *Microtus californicus*

26.0g. 155-42-19-14

Yukon Haul Rd., 2.5 mi. N Hess Creek Bridge, 1000 ft., 20 mi. NW

Aug. 28

Livingood, Alaska

3508. ♂ *Microtus oeconomus*? 17g.

122-25-18-12

450 ft., Univ. of Alaska
Experiment Farm, ~~Aug 29~~ Fairbanks, Alaska

Aug. 30

(brist. head. ?)

3509. ♀ *Microtus pennsylvanicus* 32g. 161-38-19.5-13

BLK

~~179.3g.~~ + 15g.

~~x 22 mm.~~ 10.5cm

3510. ♂ " 17g. 131-30-20-12

BLK

~~test. 8.6 mm., et. v. 1.5 mm.~~ 12mm

3511. ♂ " 48g. 176-41-20-13

1 mi. NW Univ. of Alaska 500 ft., Fairbanks, Alaska

Aug. 30

~~t \times 1\frac{1}{2} \times 1\frac{1}{2}~~

3512. ♂ *Microtus oeconomus* BLK. 23g. 136-31-20.5-11.5

BLK

~~+ 5t 2\frac{1}{2} \times 2~~

3513. ♂ " 20g. 135-31-20-11.5

BLK

~~t \times 2\frac{1}{2} \times 1\frac{1}{2}~~

3514. ♂ " 20g. 132-29-20.5-11.5

BLK

~~mm 11.7~~

3515. ♀ " 16.5g. 126-24-19.5-11

~~caught 2 PM~~

BLK.

~~multi-horn~~

3516. ♀ " 20g. 132-30-20-11

Aug. 31

BLK

~~multi-horn~~

3517. ♀ " 18g. 127-27-8 19-19.5

LIDICKER

1976

450 ft.
Experimental Farm, Univ. of Alaska, Fairbanks, Alaska

Aug. 31

3518. ♀ *Microtus pennsylvanicus* B,L,K. long tail, no scrotum, no. in vulva
31.5 163-38-21-13
B,L,K. no vulva, no. in vulva?
3519. ♀ *mus mus mus* 28.5 161-16-21-13 in vulva
3520. ♂ *Microtus* 18.5 140-34-19-12
3521. ♂ " 20.5 142-33-19.5-12
3522. ♂ " 17.5 134-30-19.5-11.5

1 mi. NW Univ. of Alaska, 570 ft., Fairbanks, Alaska

Aug. 31

3523. ♂ *Microtus oeconomus* B,L,K. test. $2\frac{1}{2} \times 1\frac{1}{2}$ -
fully vulva. 17.5 127-29-20-11
3524. ♀ " B,L,K. vulva, test. $3\frac{1}{2} \times 2$ -, vulva, test.
47.5 166-40-19.5-14
3525. ♂ " B,L,K. test. 7×5 -, vulva, test.
43.5 188-46-21-13.5

5 mi. N. Univ. of Alaska, 850 ft., Fairbanks, Alaska

Aug. 31

3526. ♂ *Microtus* B,L,K. test. $2\frac{1}{2} \times 1\frac{1}{2}$ -
3527. ♂ " B,L,K. test. $2 \times 1\frac{1}{2}$ -
16.5 128-29-19.5-10.5

Yukon Hand Rd., 4 mi. N Hess Creek Bridge, 1000 ft., 22 mi. NW Livengood, Alaska

Aug. 28

3528. ♀ *Microtus* 24.0 145-30-18.5-11
4 mm test. vulva, test.

Yukon Hand Rd., 2.5 mi. N Hess Creek Bridge, 1000 ft., 20 mi. NW Livengood, Alaska

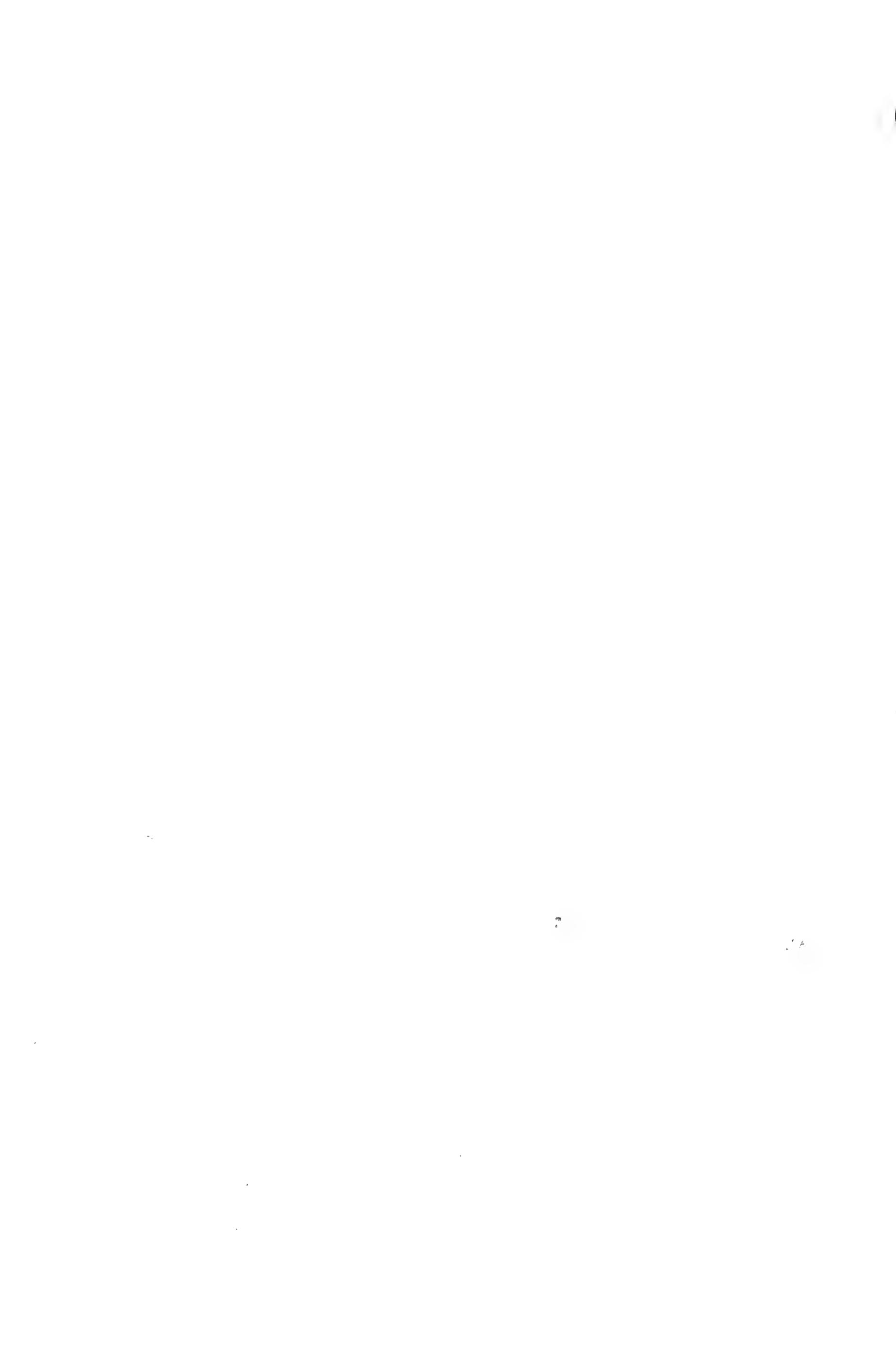
Aug. 29

3529. ♂ *Microtus* 13.8 117-30-18-10
test. $3 \times 1\frac{1}{2}$ -

Experimental Farm, 450 ft., University of Alaska, Fairbanks, Alaska

Aug. 30

3530. ♂ *Microtus* 38.2 171-43-21.5-12.5
test. $8 \times 4\frac{1}{2}$ -, test. vulva, 5.5.7 mm
3531. ♂ " 38.2 174-44-20.5-13
test. $8 \times 5\frac{1}{2}$ -, test. vulva, 5.5.12 mm



LIDICKER
1976

Yukon Hand Rd., 3.8 mi. N Hess Creek Bridge, 1000 ft., 22 mi. NW Livergood, Alaska

Aug. 28

	JOW #	Specimen	Length	Width	Other
3532.	129	δ <i>Microtus xanthognathus</i>	485.	167-36-24-17	test. 2.5 x 1.5 mm.
	130.	"			inf. 21. scars?
3533.	♀	"	102 g.	203-42-22.5-17.5	
		JOW #128			test. 4 x 6 mm, regressed
3534.	♂	"	97,	212-45-24-17.5	
		JOW #131			
3535.	♀	"	89 + g	210-49-24.-17	

Pipeline Rd., 1000 ft., 22 mi. NW Livergood, Alaska

Aug 29

	JOW #	Specimen	Length	Width	Other
3536.	132	δ <i>Microtus xanthognathus</i>	111 g.	216-45-24-18.5	test. 5 1/2 x 3 mm; st. obs. S.V. 10 mm

Yukon Hand Rd., 3 mi. N Hess Creek Bridge, 1000 ft., 31 mi. NW Livergood, Alaska

Aug. 28

	JOW. #	Specimen	Length	Width	Other
3537.	127	δ <i>Microtus xanthognathus</i>	100 g.	212-45-24-18	inf. ?; pl. scars 5L + 2R
	126	"			ov. inactivation; pl. scars 6L + 6R.
3538.	♀	"	111 g.	211-44-23-17.5	

Palm Desert, Riverside Co., California

7/75 (K: 1162 29 Sept. 1976)

no subs. (coll. by J. Sollner)

3539.	♀	<i>Dipodomys deserti</i>	455.	243-141-38-13
-------	---	--------------------------	------	---------------

2 mi. NNE Twentynine Palms (Highway 89), 5900 ft., Nevada Co., Calif.

Oct. 10

SKULL ONLY

3540.	♀	<i>Perognathus lateralis</i> DOR	-	--- 119-54
-------	---	----------------------------------	---	------------

Berkeley (marina), Alameda Co., Calif.

Nov. 21

coll. by K.P. Licker

3541.	♂ imm.	<i>Dendroica coronata</i>	145.	found dead
-------	--------	---------------------------	------	------------

LIDICKER

1977

Yukon Hand Rd., 3.8 mi. N Hess Creek Bridge, 1000 ft., 22 mi. NW Livengood

Alaska

April 16 - coll. by J. O. Wolff

		JOW. 196		NULL.	
3542.	♀	<i>Microtus xanthognathus</i>		33.5g.	170-40-23-16
			JOW. 177	test. 7x4.5 mm. et. 200 vis.	
3543.	♂	"	"	38g.	172-36-24-16
			JOW. 178	test. 8.5x5 mm. et. 200 vis.	
3544.	♂	"	"	48.5g.	180-40-25-16

March 29

- coll. by J. O. Wolff

		JOW #168	SKULL ONLY ONLY	PERIOD, OR. INACTIVE (W/ TIS, CA'S)	
3545	♀	"	"	48g.	188-39-23-14

May 11 - coll. by J. O. Wolff

		JOW. 191		test. 7x4.5 mm. et. just vis.
3546.	♂	<i>Microtus occidentalis</i>		24g. 144-31-19.5-10
			JOW. 192	test. 8x5 mm. et. vis.
3547.	♂	"	"	27.5g. 154-32-19.5-12
3548.	♂	"	JOW. 198 <i>xanthognathus</i>	flank gland 12x9 mm. test. 12x9 mm. et. vis. SV. 16 mm. 90g. 205-45-26-18
			JOW. 200	flank gland 12x7 mm. sev. mucus forming, c. 1.
3549.	♀	"	"	63g. 192-39-24.5-16

Feb. 6 - coll. by J. O. Wolff

		SKULL ONLY	coll. 2 miles	guts messy
3550.	?	<i>Microtus hoyi</i>	1.92g. (several)	90-34-12-5

Gothic, 950 ft., Gunnison Co., Colorado

July 8

			test. 4 mm.
3551.	♂	<i>Sox</i>	4.7g. 105-42-13.5-7
			gutted
3552.	♂	<i>Clethrionomys</i>	19.8g. 140-33-18.5-15
		BLK	test. 11x6.5 mm. et. vis. 26
3553.	♀	<i>Microtus montanus</i>	29g. 156-35-20-11

July 9

			6 mm. x 5 mm., last
3554.	♀	<i>Microtus longicaudus</i>	38.3g. 181-55-21-14
		BLK	test. 6x3 mm. SV. 9 mm.
3555.	♂	<i>Zapus princeps</i>	26.9g. 240-141-33-12

July 8

		BLK	test. 7x3 mm.
3556.	♂	<i>Erethizon dorsatum</i>	38.5g. 205-85-30-14

July 9

		BLK	test. 6 1/2 x 3 1/2 mm., last vis. with
3557.	♂	<i>Zapus princeps</i>	22.5g. 230-134-31.5-13
		BLK	gutless in 2 sections
3558.	♀	<i>Microtus montanus</i>	31.4g. 172-47-19-12.5

Two mites from #3550 identified by Deane Furman as *Leptops alacensis*, a species normally found on microtine rodents. So, possibly these could have come from some of the microtus stored with the shrew, but no other mites were noted on the microtines.

LIDICKER

1977

Gothic, 9500 ft., Gunnison Co., Colorado

July 8

3559 ♀ *Microtus longicaudus* 17.0 g. no mts, long 1 mm, wide 145-44-20-11
61.5 g. 6 fl. scars, 1 acc.

3560. ♀ *Erethizon minimus* 61.8 g. 192-68-31-17

July 9

3561. ♂ *Erethizon minimus* 53.5 g. 4 fl scars, 1 acc. 225-98-33-15

4 fl. 11 x 7 mm; st. v. 1.6. 142-38-19-15

3562. ♂ *Clethrionomys gallopini* 20.5 g. multipl, long 1 mm, wide

3563. ♀ *Clethrionomys gallopini* 15.7 g. 129-35-19-11

1 acc.?, faint fl. scars

3564. ♀ *Erethizon minimus* 45.7 g. 213-89-31-16

July 8

3565. ♂ *Erethizon minimus* 39.0 g. 7 fl. 6 x 3 mm, 1 acc. 208-94-31-16

1 acc., faint fl. scars

3566. ♀ " 54.4 g. 211-90-33-15

Pipeline Rd., 1000 ft., 22 mi. NW Livengood, Alaska

May 23

3567 ♂ *Microtus* tip gland large fest. 9 x 5.5 mm; st. visible 166-40-20-12

lip gland large fest. ~10 mm; st. visible

3568. ♂ " 47.8 g. 177-39-18.5-11

N.W. side Late Minchumina, 1000 ft., Kantishna Lowland, Alaska

May 21

3569. ♂ *Clethrionomys multiceps* 30.3 g. 142-30-18-13

stem. 1.7 mm, 219 mm

3570. ♀ " 44.9 g. 150-34-19-14

flank gland 10 x 6.5 mm no mts, stem. long 1 mm, wide

3571. ♀ *Microtus xanthognathus* 73.0 g. 195-43-25-18

stem. flank gland 12 x 6 mm no mts, long 1 mm, wide, fest. 26 mm

3572. ♀ " 79.8 g. 200-40-25.5-18

fest. 12 x 6 mm, st. visible stem.

3573. ♂ *Clethrionomys multiceps* 28.2 g. 143-31-20-13

fest. 12 x 8 mm, st. visible stem.

3574. ♂ " 32.4 g. 148-34-20-12.5

May 21-22

birds { 3575. ♀ *Microtus xanthognathus* 79.8 g. 195-41-25-18

forest { 3576. ♂ " " " 107.0 g. 224-51-26-17.5

flank gland 12 x 8 mm, long 1.5 mm, wide, fest. 26 mm

flank gland 16 x 11 mm, fest. 12 x 8 mm, st. visible



LIDICKER
1977

NW side Lake Minchumina, 1000 ft., Kantishna Lowlands, Alaska

May 21-22

STOM. flank glands 10x5 mm; 10 emb., horns 1 1/2 mm. wide

bird forest	3577.	♀	<i>Microtus xanthognathus</i>	62.9 g	177-37-25-15
	3578.	♀	"	70.7 g	190-43-24-17
edge spruce forest	3579.	♂	"	97.5 g	217-53-26-18
	3580.	♂	"	108.5 g	224-57-27-19.5
edge spruce forest	3581.	♂	"	69.6 g	187-42-25-15
	3582.	♀	"	82.2 g	206-47-25.5-16
edge spruce forest	3583.	♀	"	86.8 g	201-46-25.5-17
	3584.	♀	"	69.4 g	185-40-24-14.5
edge spruce forest	3585.	♀	"	84.7 g	200-47-24.5-16
	3586.	♂	"	97.3 g	224-53-27-19
grass	3587.	♀	"	74.9 g	194-41-25-16
			veg. plug; ca's in		
			left. av.		

May 21

STOM. flank glands 12x8.5 mm. (2 thick) horns 2.5 mm. wide

grass	3588.	♀	<i>Microtus xanthognathus</i>	80.0 g	206-46-25-17
			STOM. " flank glands 13x11 mm. (2 thick) horns 2.5 mm. wide		
grass	3589.	♂	"	97.6 g	213-51-26-17.5
			STOM. " flank glands 13x7.5 mm. horns 2.5 mm. wide; fresh cl.		
grass	3590.	♀	"	77.4 g	200-42-25-17
			STOM. " flank glands 12.5x7 mm. 9 emb. x 11 mm. (4R, 3L)		
grass	3591.	♀	"	96.9 g	207-44-24.5-17
			STOM. " flank glands 11x6 mm. 8 emb. x 14 mm. (4R, 4L)		
grass	3592.	♀	"	99.6 g	209-47-25-17.5
			STOM. " flank glands 11x8 mm. 10 emb. x 3 mm. (8R, 2L)		
grass	3593.	♀	"	83.4 g	205-45-26-16
			STOM. " flank glands 12x7 mm. 9 emb. x 3 mm. (4R, 5L)		
grass	3594.	♀	"	83.7 g	210-47-25.5-17
			STOM. " flank glands 13x10 mm. 4st. 13.5x8 mm. st. visible		
grass	3595.	♂	"	118.3 g	227-52-27-18

Kensington, 200 ft., Contra Costa Co., California

Oct. 1 (flew into house & killed itself
against window)

3596. ♂? imm. *Vermivora celata*

very fat

LIDICKER
1978

Tilden Park, near Jewel Lake, Contra Costa Co., Calif.

18 Feb. (found dead)

hole in neck

test. 8x4mm.

3597. ♂ *Scapanus latimanus* 71g. 202-35-21-
Yukon Haul Rd., 4 mi. N Hess Creek bridge, 1000 ft., 22 mi. NW Livergood,

Alaska

20-22 May

autop. no. 340 comp. SKEL. ONLY test. 12x8mm, S.V. 17mm., et. visib.

3598. ♂ *Microtus xanthognathus* 81g. 193-45-25-16
comp. SKEL. ONLY autop. no. 341
no skull.

3599. ♀ " 94g. 189-40-24-16
comp. SKEL. ONLY autop. no. 344 test. 12x8mm., et. visib., S.V. 16mm.

3600. ♂ " 88g. 196-42-24.5-18
comp. SKEL. ONLY autop. no. 347 no skull, found 20.5mm = 7; not last.

3601. ♀ " 64g. 185-38-23-17

Brunnen, 280m., Poschiavo Valley, Switzerland

5 July

+ SKEL., L, K, Ht., M.

mus poschiavinus

3602. ♀ *mus poschiavinus* juv. 11.5g. 153-73-19-13

Zalende, 606m., Poschiavo Valley, Switzerland

5 July

+ SKEL., L, K, Ht., M.

test. 8x5mm., test.

3603. ♀ *Apodemus sylvaticus* 32g. 202-98-22.5-16.5

Brunnen, 780 m., Poschiavo Valley, Switzerland

6 July

test. 10x7x4mm. + SKEL., L, K, Ht., M.

3604. ♂ *Mus poschiavinus* 15g. 179-87-21-13

Careca, 1400m., 3 1/3 km. S Poschiavo, Poschiavo Valley, Switzerland

7 July

6g.

+ SKEL., L, K, Ht., M.

3605. ♂ *Sorex* 6g. 115-42-13-5

test. 10x5mm.

+ SKEL., L, K, Ht., M.

3606. ♀ *Microtus* 31gms. 140-36-17-13

Zalende, 606m., Poschiavo Valley, Switzerland

7 July

1 test. 10x5mm. + SKEL., L, K, Ht., M.

3607. ♀ *Mus poschiavinus* 24gms. 192-94-19-16 + SKEL., L, K, Ht., M.
, hairs full & fluid, parous

3608. ♀ " 17gms. 171-84-18-14 + SKEL., L, K, Ht., M.

3609. ♂ " 10gms. 153-79-18-13 + SKEL., L, K, Ht., M.

Lidicker, W. Z.

1975-76

Journal

LIDICKER
1975

Feb 8 - Went with family to Ano Nuevo State Park in San Mateo Co. It rained off & on all day & there was a strong wind from the W & SW. Arrived at 0950. We saw quite a few elephant seals on the mainland, although there was no fighting or chasing. All were &♂ except for 1 adult ♀ & ~3 wh. ♀ & pup. Also saw 1 large pup dead on the beach. The ♀ & pup were associated with a by. ♂ who was lying within 10 ft of them. Birds seen there:

Brandt's Gull - 4 (post water) Count - 10±

Herring Gull? - 4+ on ocean Blk. Turnstone - 30+

Brown Pelican - 1+ W. M. - 30+

Pelagic Cormorant - 10+ Sandpiper - 25+

Brandt's (possibly Double-cr.) Cormorant - com.

Surf Scoter - 10+ Glaucous-w. Gull - 15±

rudd. Scoter - 25± W. Gull - abnd.

Ruddy Duck - 6± Cal. f. Gull - 1+

Red br. Merganser - 2+ mid. gulls - abnd.

Red t. Hawk - 1 juv.

mid. surv. - 1

Marsh Hawk - 21 Morning Dove - 6±

Kestrel - 1 Scat. Jay - 1

Horn. Puffin - 300±

Wh. ev. Sparrow - 30±

Song sp. - 30±

Adri. surv. -

St. K. - +

Brewer's Blk. L. - +

At 1230 we went to Pescadero Beach & Marsh. First we stopped south of the creek to have lunch & freshen in tide pool on a partially isolated island. Then we went to the main beach & walked west the lake to the east of the highway & N. of the creek. Birds seen in this area:

LIDICKERL
1975

Feb. 8 cont.

Pint Bl. Grouse - 6+

resident. corvids - many

C. + B. Heron - 1

Snowy Egret - 10+

Gadwall - 1

^{Green}
B. winged Teal - 6+

Cinnamon Teal - 12+

Shoveler - 15+

Ring-necked Duck - 18

Canvasback - 60+

Lesser Scaup - 15+

Com. Goldeneye - 1 ♀

Bufflehead - 2

Ruddy Duck - 30+

Wren - Tit - 2+

L. bl. Marsh Wren - 1+ heard

Yellow-rumped Warbler (myrtle type) - 3+

Yellow-throat - 1 song when sun came out briefly

Lark Sparrow? - 1

Wh. cr. Sparrow - 8+

lg. resident. birds (prob.
- Rough-legged Hawk)
- 1

Coast - com.

{ Blk. Oystercatcher - 2
Blk. Ld. Plover - 1
Surfbird - 1

Blk. Turnstone - 15+

Willet - 20+

Sanderling - 5+

W. Gull & resident gulls
abund.

Glaucous-winged Gull - 5+

W. Kingbird - 1

Tree Swallow - 30+

Violet-gr. Swallow - 10+

San Joaquin Co. Trip.

Feb. 15 Went with family, Sheila Byrne & Ron Sonsa to one
of Sheila's squirrel study areas. Sciurus carolinensis has
become established in an area along the Calaveras River
in the vicinity of Bellota, & she is studying the ecology
of introduced squirrels in Calif. We left Ron & Sheila's home
in San Pedro about 0855. We entered the Co. w. of ~~the~~

LIDICKER
1975

Feb. 15 contd

Tracy on Interstate 580. Continued east of Manteca on Calif. 120. Then N. on Vah Allen Rd., E. on Calif. 4 to Farmington & then N. to Bellota. Beautiful clear, sunny day, & not warm. After a quick lunch we started hunting squirrels while NL & the boy picked in a nearby field. At 12:06 I shot an adult ♀ (Ron & I working together). At 12:30 I killed another along the edge of a slough. Unfortunately, it rolled into the slough & sank like a rock. Ron worked in to try and retrieve it but could not find it (the slough is quite deep & has a fairly good current in it). Nearly we saw 10 other squirrels. Later that evening we saw 1 more; Ron had a shot at it but we didn't get it. Sheila got 1 ad. ♂. Neom. found a fresh road kill (ad. ♀) for a total of 3 squirrels. In the open, we went several miles SW of Bellota & set 6 live traps in case when they could not get permission to shoot. Jeff caught a large black coypie from the pond.

Went to dairy farm near Escalon owned by a friend of Ron's (Tony Brazil) where we watched the cows being milked. Then we went to Tony's (+ his brother Joe's) house on Carrollton Rd. (between Lone Tree & Avena) where we spent the night.

Feb. 16 Got up about 0715 & headed for Bellota with Ron & Sheila. It was clear & cold. Hunted for several hours. (0800)
Ron & I got another ad ♀ squirrel (we teamed up on this one too, but he got in the first shot). Didn't see any other squirrels all morning; Except 1 juv. ♀ seen running

LIDICKOX
1975

Feb. 16 cont.

across the highway where we drove into Bellota, & on other
seen just as we entered the study area but did not get
a shot at it. About mid-morning Ron & I climbed about 15 ft.
up a oak near where we had failed to look in a hole ~~in~~ the
we thought light contains baby squirrels. This was because the
♀ DOR found yesterday was recently post-partum. ~~had come no~~
much the bottom of the cavity, so we don't know if there
were babies ⁱⁿ there or not. We took a walk around the walnut,
cherry, & chestnut grove on the N. side of the highway - which
were bordered by small ^{any} food. Then we went back to Tony's
house. Noon: - the dogs having just arrived, for breakfast -
lunch (short break).

During the morning, the wind increased steadily, & it
was cold. Helped Sheila skin squirrels & then went into
house for gas. About 1600 we were back on the study
area hunting. But the wind was so strong & it was so
cold that the squirrels must have been very inactive.
None of us saw any. At dusk we headed for home; Ron
& Sheila will stay another night & hunt again in the
morning. The live traps produced 1 ♂ squirrel giving us
a total of 5 (+ 1 killed + lost). We took (all) 26 to
Stockton where we had dinner. Then Int. 5 south to
Int. 205 to 580 & on home. Arrived ~ 2130.

Other mammals seen: mole - 1 heard & leaves seen
moving (15 ft. on study area).

muskrats - several in flood & adjacent slough near study
area; deer tracks noted near where live traps set.

LIDICKER
1975

San Joaquin Co. Calif. Cont.

tracks: raccoon, opossum (study area)

Doe and rabbit; fresh gopher sign

Birds seen:

Pied U. Grouse - 2

Calif. Quail - 10+ (1 cover)

G. Bl. Heron - 1+

R.-wt. Pheasant - 4 seen by RS.

Common Egret - 4+

Am. Coot - 35+

Greater Scaup - 1 flock of 50 flying N Killdeer - 25+

Mallard - 6+

Common Snipe - 1+ 5 by N.W.

Cinnamon Teal - 4

Ring-billed gull - 1

Ruddy Duck - 4

Rock Dove - 25+

T. Vulture - 2

Mourning Dove - 2 (upper floor)

WL & H. Kite - 2+

G. H. Owl - 1 heard in eve.

SL - Sharp-shinned Hawk - 2+

Belted Kingfisher - 1+

Red. tl. Hawk - 10+

Red-sh. Flicker - 20+

Red-shaded Hawk - 1 (Baldon) Acorn Woodpecker - 10+

Marsh Hawk - 20+

Downy Woodpecker - 5+
± Nuttall's

Sparrow Hawk - 50+

Chestnut-backed Woodpecker - 1

unident. Flycatcher - 1 (phoebe?)

unident. Flycatcher - 1

Scrub Jay - 30+

Loggerhead Shrike - 10+

Yel. bl. Magpie - 35+

Starling - 100+

Com. Crow - 15+

Orange cr. Warbler - 1

Plain Titmouse - 25+

Yel.-maged Warbler - 10+ (incl.
1 dr. Audubon type)

Bewick's Wren - 2+

W. Meadowlark - 50+

Robin - 40+

Red-winged Blackbird - 30+

Hermit Thrush - 6+

Brewer's Blackbird - 100+

Golden cr. Kinglet - 1

House Finch - 1

Ruby cr. Kinglet - 45+

Am. Goldfinch - 5+

(cont.)

LIDICKER
1975

San Joaquin Co. trip. cont.

Rufous-sided Towhee - 2+

WL. cr. Sparrow - 50+

Brown Towhee - 1

Golden w. Sparrow. 40+

Oregon Junco - 25+

Lincoln's Sparrow - 1 (Bullata)

Total = 54 species

N. California Micros Expedition

22 March - 26 March, 1975

March 22

with Suk Y. Yang & David T. Krohne

After picking up Suk at his home, stopping by the museum for a bit & then picking up Dave, we finally left Berkeley about 8:00. It was mostly overcast & raining but occasionally the sun would come out. We took Highway 101 North. In Cloverdale, we stopped for a quick cup of coffee. Just before coming into Mendocino Co., we could see snow on the higher hills. Just N. of Cloverdale, just after crossing over the Russian River, we saw a fox squirrel DOA. S. of Laytonville we stopped for lunch at a roadside rest area. Snow was below the 2000 ft. level. Slushy before Leggett traffic stopped as there was a slide blocking the road 4 miles ahead & traffic was backed up. The foreman said a crew had been working on it for 3 hrs. already & he did not know when it would be cleared. So we took an exit to Leggett & then headed for the coast on Calif. 1 (also 208). At the higher elevations on this road, it was hailing & snow partly covered the road. ^{Snow depth 10-15 cm. falling in patches.} At 1720 ft. from Leggett by rd. we came to a group of buildings called "Rockport Research". Across the road was some flooded grassy area, a

LIDICKER
1975

March 22 cont.

We stopped to look for Micromys sign. There was a moderate amount. Vegetation included Carex, Rubus, Riley, a morning glory, & a variety of grasses. Cottonwood Creek was nearby. We went on to the coast looking for a dirt road going N. along the coast. Apparently it no longer exists or is blocked by a gate. Very near the ocean the road crosses Hardy Creek & then a second creek before starting ~~at~~ south along the bluffs. Within a half mile another small valley opens toward the ocean. Here we turned off the road & located more Micromys sign. There was an old house there with "Jame Creek" written on it. We set out a total of 46 traps there, all but 4 were longworth's baited with crimped oats, rolled oats, & a little peanut butter; 4 traps were small non-collapsible Stevens set in pairs (back to back) - runways under boards. It continued to rain off & on. I picked up a Batrachoseps & 5th 2 more.

Then we drove 5 miles back to Rockport Beach & set out ~~the~~ a total of 76 traps (8 longworths & the rest large Stevens - mostly non-collapsible). We also found a dead mole in this locality. Finally we drove 0.8 mi. back toward the coast & pulled off the road to camp. We set 32 non-coll. small Stevens run -ways on laid but without the peanut butter (in my case only). This was Douglas-Fir-Redwood Forest with rotten logs, ferns, etc., practically dry - steep hillsides. This gave us a total traps set of

LIDICKER
1975

March 22 cont.

Then we had dinner. Afterwards we discovered that our water tank was empty - even though Doc Jones had said he had filled it. Water spigot was. First
Soy - size = $2\frac{3}{4}$ in. N Rockport

2nd. location: $4\frac{1}{4}$ in. W, $2\frac{1}{2}$ in. S Leggett.

Cap. size: $4\frac{3}{4}$ in. W, $2\frac{1}{2}$ in. S Leggett.

Bird list from San Rafael Bridge North:

Common Murre	gullish
W. Gull	Scap.
Corm	Ruddy Duck
Kestrel - 10+	Golden-eye - 1
Egret - 1	T. Vulture - many
Swallows - 2 sep. individuals but 20+ others. - 1 Barn Swallow other brown-backed.	
Raven - 4	Mourning Dove (Krohn)
Steller's Jay - 1	Osprey - 1
Waxwing sp. (Krohn)	Red-shafted Flicker - 1
Ruddy-c. Kinglet - 1	Chestnut-backed Chickadee
Wren - dit - 1+	Soy Sparrow
Bushtit - flock	Flicker - 1
Coot - 20+	Hermit Thrush - 1
W. Meadowlark - 3	Red wing - many
Brewer's Blackbird - many	Starling - few.
Ocean Junco - 15+	
Got to bed around!	

March 23

Up at 0715. Weather varied from light to heavy rain all day. Picked up traps around camp. Dave caught a

L. DICKER
1975

March 23 cont.

Clethrionomys occidentalis. Sib + I did not catch anything although about 6 of my traps were disturbed - either knocked over or the back opened. Had breakups without the benefit of water. Drove to Juan Creek trapline (sign on bridge does say Juan Creek). Here we caught 9 animals below the road, 4 on road side + 3 more in little ravine below the waterfall - total = 16.

Took 4 photos of one. Then we went to trapline at Rockport Ranch + finished up this one. Both Sib + I lost 1 by SL. this was apparently reward of something. Caught:

Microtus californicus - 26 (not all mortal from trap yet).

Reithrodontomys megalotis - 5

Peromyscus maniculatus - 1 Total = 32

Total catch for morning = $2 + 16 + 32 = 50$

Saw chipmunk run across the road between our campsite + the coast. Dead porcupine at Rockport Ranch, also deer tracks.

Drove into Leggett. Only a little snow left along the road now. Bought a tank of gas + filled our water tank. Then discovered that our water pump wouldn't work. Took it apart, + not finding anything wrong, put it back together. On ~~the~~ ^(long) Highway 101, we had to wait for a 15 min. to get by 2 slides that had blocked the highway. Drove to Eureka; stopped + bought a cheap plastic water jug for siphoning water from our water tank into - continued N. on 101.

At Dry Lagoon State Park set traps around the entrance, including a bank of highway fill. Found

L. DICKON
1975

March 23 cont.

quite a bit of Thiodes sign; many open slightly
large & less distinct the Loon & m. californicus.

We each set 10 Longnests & the 3. Sheds for
totals of: W2L-20, DK-16, SY-12 = 48 total.

Park rangers asked to see our collecting permit but were
very friendly. Caught - Hydrogilla ^(4x/day) few.

Then we drove back S to where a marsh extended
between the road & a large lagoon. Here we each set
14 lg. Sh. for a total of 42 traps. Lots of Sylvilagus
sign here & robust ant. of what may be Microtus sign.
This gave us 90 traps out, & by this time we were
all pretty wet. So we drove N. looking for a campsite.
Took old State Highway Rd. around the E. side of a lake
(few x:1's S. of Orick), & camped along side the Rd.
and overlooking the S. end of the lake. Had our first
real meal of the day, & the moment nice until
just 2:00 p.m.

Bird 1:51:

W. Grebe - 6±

Common Egret - 1

Pied M. Grebe - 1

Pintail - 1 (DK)

St. Billed Horn - 2

Canvasback - 20±

Scap. - 20±

Common Merganser - 1 ft. (DK - SIR.)

Surf Scoter - 15±

T. Vulture - 25±

Ruddy Duck - 2

Red H. Hawk - 3

Coot - 1

Sparrow Hawk - 15±

Killdeer - 5± (Leggett)

Unident. SK/1/s - few

Anne's Hummingbird - 5±

Kingfisher - 3+

March 23 cont

Flicker - 10+

Common Raven - 6+

Downy Woodpecker - 1 (Dry Lagoon)

Cow - 10+

Violet-Br. Swallow - 10+

Ch. Bk. Ch. Lark - sv.

Robin - 30+

Audubon's Warbler - 8+

~~St~~ Oregon Juncos - 10+

Soy Sparrow - 2+

March 24

The rain stopped briefly during the night & at one point we even had a glimmer of the sun. Today weather varied from medium to heavy rain all day & all night!!

After breakfast went to the Dry Lagoon traps. Dr & I picked up traps: Catch: *M. cinereus* - ~~oregonus~~ - 2, *M. longicaudus* - 8, *Peromyscus maniculatus* - 2, *Sorex* - 1 (krobi) - ~~Reithrodontomys~~ ^{Reithrodontomys} ~~neglectus~~ - 1

Locality: Dry Lagoon State Park, $3\frac{1}{2}$ mi. S, $2\frac{3}{4}$ W. Orick.

~~Caught also 1 *Hylodes* in the grass while setting traps.~~

Then got traps at Big Lagoon (8 mi. S, $2\frac{1}{2}$ mi. W Orick).

Catch: Young - 1 *M. longicaudus* + 1 *P. maniculatus*.

Krobi - 1 *P. maniculatus*

Lid. - 3 *P. maniculatus* + 1 *Sorex*.

We released all the *Peromyscus* except 1 of 2 we.

Then we drove N to the Lane Rd. turn off where we stopped & processed animals until ~1315. Had lunch & proceeded N. It was enjoyable going through redwood country in the rain. In Crescent City we got a tank of gas & then took U.S. 199 toward Grants Pass.

Saw 4 elk in Prairie Creek State Park.

Continued through Collin Tunnel into Oregon. The

LIDICKER
1975

March 24 cont.

water in the Smith River was a pretty light green color. We were completely looking for favorable places to trap Microtus but saw none. We even made an extensive side trip into the Siskiyou Mtn. Forest (rd. just N. of Kerby). All the meadows we found were completely flooded and only we grazed; although we did find 1 ^{short} active sign. Continued N. on main rd. to 4 mi. S. of Selma. Here we found the ^{small} green valley running to east of rd. & as it was getting quite late we set traps here in the pouring rain. I set 10 Large & 20 small SK. Dave 7L & 8 SK. & Sub 8L & 10 SK for a total of 63 traps.

By the time we got things in we all soaked & cold. There were patches of snow all through the meadows. Microtus sign was evidently easy to find. Very small numbers were in the vicinity of the stream & often had mice going up the slopes & over snow drifts. This made sense since the bottom of the valley was so flooded. We drove a short distance N. & off to E. on a dirt side road for $\frac{1}{4}$ mi. After about getting stuck in the mud, we managed to back off the road & make camp for the night.

After changing to dry clothes & eating, we processed animals until after midnight. We added on all the Juan Creek catch so can now record the species composition of these 16 individuals: Microtus californicus - 5 Perognathus maniculatus - 10, & Reithrodontomys megalotis - 1.

LIDICKER
1975

March 24 cont.

Still raining when we went to sleep.
Since it rained all day & mostly hard, we did not
see too many birds, here is the list:

Common Loon - 1

Canvasback - 15+

Great Grouse - 2+

Scops - 20+

Pied M. Grouse - 4+

Bufflehead - 8+

Gr. B. Heron - 2

Ruddy Duck - 2

W. Grouse = 1+

T. Vulture - several.

Sharp-shinned Hawk - 1

T. Solitaria - 2

B. Kingfisher - 2

Steller's Jay - 1

R. St. Flicker - 10+

Winter Wren - 1

Downy Woodpecker - 1

Robin - 20+

Red.-sided Towhee - 1

Song Sparrow several.

March 25

Up at 0720 & it was not raining. Very cold - probably
about freezing or below. Grass in meadows was stiff & if
frozen. Had breakfast & then went to get our traps, which
we eventually found out were at 4 mi. S Selma.

Catch: Microtus townsendii - 6

Re: Prodotiscus ingens - 2

Peromyscus truei - 1

Some of my traps had vireos running through them. We
processed the morning's catch on the spot as 1 Microtus
was missing & another dead. Started on again about
1130. Drove to Grant's Pass 1.3 mi. S of Selma saw a
Sciurus griseus DOR.

Took Interstate 5 S over Siskiyou Pass.
The road was wet & with a little snow, but clear.

LIDICKEN
1975

March 25 cont.

Not much drifts on the side of the road up to 5 or 6 ft. high. At junction w/ Calif. 96 we stopped in a rest area & had lunch. Strong wind & very cold.

Headed up Highway 96 toward Happy Camp, looking for McCloud habitats. In the village of Klamath River, 14.6 mi. from junction of old 99 with 96 we stopped to set some traps in a weedy meadow with blackberry along the edge of the river (across from a tavern). Set following trap:

$$DK - \cancel{4 \text{ log.}} + \cancel{2 \text{ L.}} = 6 \text{ Log.}$$

$$WZL - \cancel{7 \text{ L.}} + \cancel{2 \text{ L.}} = 9 \text{ Log.}$$

$$SY - \cancel{2 \text{ L.}} + \cancel{2 \text{ L.}} = 4 \text{ L.} \cancel{Large \text{ L.}} + \cancel{2 \text{ L.}} = 16 \text{ total.}$$

Only very little sign here & we had to really look to find places for setting. Then we went on 0.6 miles & stopped again (.6 mi. W Klamath River). Here we set a total of 19 traps: DK - 4 Log. + 2 L. (small) = 6

$$WZL - 7 \text{ L.} + 2 \text{ L. (small)} = 9$$

$$SY - 2 \text{ L.} + 2 \text{ small L.} = 4 \text{ total} = 19$$

Then we continued heading W on 96. Most grassy areas were either snow covered or heavily grazed. We could not find additional trapping areas, except for a large meadow 1.8 mi. further on by Sportsmen's Motel which might have been good but we didn't stop because it was so public.

We rapidly got into snow & it got deeper & deeper. Eventually we turned back ~~at~~ about 7.5 mi. beyond Happy Camp. In one place we stopped a day in the snow looking for runways but found only mud. Retraced to West. Forest camp ground (Sarah Totten) $\frac{1}{4}$ mi. E of Happy Camp. Here we

LIDICKER
1975

Mar 25 cont.

Packed & set out to find places to set traps in the vicinity. We all found a little Microtus sign but not much. We concentrated on setting in areas where the snow had melted exposing some grass or brush cover here & there. The following were set (all non-collap. traps):

Yay - 7 s. + 8 lg = 15

Krobin - 5 s + 15 lg = 20

Lidicker - 13 s. + 17 lg = 30 total of 65

This gave us a total of 100 traps set all together.

By this time it was about 1800. We wrote note for yesterday & then had dinner. Checked animals from Dry Lagoon Beach Pt. Park after dinner (2 of the an. longicaudus were dead in the traps). Bird list for the day:

Con Loco - 1 D.K. on River

Killer - 2+ (El. R.)

Gr. B. Heron - 2

Rock Dove - ² Grands Pass

Canada Goose - 2 juvs ~~clay R.~~

B. Kingbird - 1

Wood Duck - 5

Red. sh. Flicker - 5+

Am. Merganser - 4

Lewis's Woodpecker - 7+

T. Vulture - see.

Violet-gr. Swallow - 15+

Red. st. Hawk - 1+

Scrub Jay - 2

unident. Hawk - 2 (1 juvenile rough-bdy.) Cow - 6+

Stellar Hawk - 10+

Raven - 2

Cl. Bl. Cl. Chukar - 1

~~Hermit~~ ^{Hermit} Sparrow - Thrush - 1

unident. Wren - 1

W. Meadowlark - 2

Robin - 30+

Brewer's Blackbird - 2

T. Solitarius - 1

Fox Sparrow - 1

Or. Junco - 50+

Song Sparrow - 6+

LIDICKER
1975

March 26

Got up 0720. Cold & partly cloudy with light snowfall. Picked up traps. Catch:

Microtus townsendii -

Peromyscus maniculatus -

Peromyscus truei -

Reithrodontomys fulviventer

Sorex - W2L-2

2 P.M. coll. by Yang & discarded (from Sarah Totten):
ad. ♂ test. 8x5.5 mm.
ad. ♀ no vulva, 2 fleshy swellings in 1 horn; vulva, red; does not appear to be lact.

I never had find one of my traps on the slope above camp in the live and a swampy meadow with rock outcrops 2/4 snow brush & forest. Then we discovered that our water basin on the camp was frozen, so we melted some snow for coffee. Then headed toward our other 2 sets of traps. There was snow on the ground & along the edge of the road to camp Walker. Found all our traps at Klamath River & .6 mi. W of the settlement. Catch:

.6 mi. W - Microtus californicus - W2L-2 + 1 foot on ground
(no traps had been disturbed & probably this individual had been in a trap)

Klamath River -

Microtus californicus - W2L-3, S.Y.-1, DTR-4

Reithrodontomys fulviventer - W2L-1

It was 1055 when we headed for home. Lots of Microtus habitat along the road sides between Yreka & Weed. Snowing again as we approached Weed. But gas is Weed & covered gas. Had lunch near Redding about 1330. Continued south on Interstate 5. After a few miles N. of Maxwell in Colusa Co. we had a blowout

LOCKER
1975

April 26 cont.

(left our fire). It took us about an hour to fix it owing because of difficulty in getting the spare fire off. The spare is smaller than the over-sized over fire that blew out, so we drove slowly (45-50 mph) for the rest of the way. Stopped in Vacaville for dinner. Got back to museum before 2000.

Bird list for the day:

G. B. Heron - 1 (K. River)

T. Vulture - several

Blk. cr. Night Heron - 3 (Albion)

WL. H. Kite - 1 (Sac. Valley)

Mallard - several, firs.

several, but Lewis

unident. teal - 2

incl. 1 lg. one with yellow legs, light head & light wings - individual wings

Shoveler - 1 pr.

Marsh Hawk - 2

Am. Merganser - 12 (+ 8 more $\frac{1}{2}$ $\frac{1}{2}$) - Klamath R.

Killdeer - 10+

Sparrow Hawk - 30+

R. bl. Gull - 1 (Klamath R.)

Acorn Woodpecker - 1

Mourning Dove - 5+

Lewis Woodpecker - 2 (Klamath R.)

Blk.-gr. Swallow - several

unident. chicken - camp.

Steller's Jay - 2

Winter Wren - 1

Scrub Jay - 2

Robin - 1

Yel. U. Magpie - 1

Horned Thrush - 2

Can. Cuckoo - several

Starling - 2 (Sac. Valley)

W. Meadowlark - 15+

Evening Grosbeak - 1 (Castella)

Red-w. Blackbird - 5+

House Finch - 8+ (Klamath R.)

Brown's Blackbird - 20+

Oregon Junco - 20+

Song Sparrow - 6+

April 24 (1530) - 1 White-throated Sparrow seen - very
localized in Kensington (light snow).

LIDICKER
1975

Hull Mountain Trip

July 5 - Left about 1030 with family for Lake
Pudding Ranch in Lake Co., Calif. Arrived there
about 1430. joined in 4th of July barbecue at
Ranch. About 1800 we left to drive up
to Hull Mtn. We crossed Grizzly Valley & went E to
Cabbage Patch & then up Boardman Ridge to
Steve Smith's study area just S. of Timberline
Camp on the S. slope of Hull Mtn. This is about
at 5700 ft. We joined Steve in running his
live trap grid for his studies of Eutamias sonoma.
Afterwards made camp just E. of the road.

July 6

Rather cool night but still flies & no gnats active
most of night. After breakfast we packed camp &
headed chipmunk most of day at series of spots to
N. Eventually we got 4 for N. & the 5th. on the
NW side of Bald Mtn. When a road goes W. to
Thatcher Butte. Chipmunks were very scarce &/or
very quiet. We eventually got 3 E. amoenus
near Spruce Grove campground. I shot one & Steve
got 2. Earlier we had lunch about 1/2 mi. S of
monkey rock & Naomi & the boys stayed there for
the afternoon while Steve & I headed.

In addition to hunting chipmunks, we also
checked a number of wet areas for microtus.
There is a spring & small meadow just NW of
Hull mtn. Peak but I forgot to check it for

LIDICKER
1975

July 6 cont.

Micromys just to the E. of our lunch spot there is also a spring with a small amount of M. sign. Then we checked Mill's Spring and that at Spruce Grove, both of which had small amt. of M. sign. At Spruce Grove there is a steady spring with a running water line so we can fill water containers. Finally we checked a spring on the N. side of Bald Mtn. Here the grass is badly over-grazed & we found only 1 M. runway. Took soft sign we saw at all these locations. Took 2 photos of Mill's Sp., 1 at Spruce Grove & 1 at Bald Mtn. Left out a spring on NE side of Monkey Rock which also had some Micromys sign.

Returned to lunch spot $\frac{1}{2}$ mi. S of Monkey Rock where we set up camp (≈ 6400 ft.). Few mosquitoes & almost no flies bothered us this time during the night. We set up a small tent for the boys.

July 7

Woke up to chipmunk alarm calls from a tree in our camp. Steve & I hunted for a few hours. I saw 5 chipmunks (large species) but could not get a shot at any. After hunting Steve managed to get 1 ♀. Then we headed back down the mountain just W. of the road jet. At Cottles Pasture we investigated a small cattle pond off to the S. side of the road & approached by a short dirt road. Found a few cuttings & possible old runway; took 1 photo. Then we

Lidicker
1975

July 7 cont.

couple of little deer again, & he showed us the
main Cabbage Patch meadow - $\approx \frac{1}{4}$ mi. W to S.
starting where a spring is located on the N. side of the
road. This meadow is beautiful & several acres in
size. The vegetation is very diverse. Micromeria is pre-
valent but scarce. There is also an isolated
small meadow just to the W. of the main one. Took
2 photos of main meadow & 1 of small one (which also had
M. sign). Saw a ~~black~~ ^{W. of here; all may be qualitative & different from those at} deer (E. Sonoran first
attempt to take photo by Ranch where we ate ^{composite.}
_(Martin + Katherine) lunch & then visited with the Trow's (us: + 4-4).

Then we had a swim at the swimming hole + left for home ~ 1715. Stopped briefly in Chardon Lake for a snack + gas. Arrived home ~ 2045.

means other than clips and a microscope:

so far - although the two fish signs specially noted
in meadows & winter over.

Blk-tailed deer - ~ 10 cm - all in study 1 doe
+ yearling + 1 doe + spotted fawn.

Callospermophilus - seen at several sites in the
High country.

Spizella breweri - 1 possible sighting Lge on
Boardman dike, burns at Custer Park, + 1
seen on L. Pillsbury Ranch.

Sciurus grisescens - 1 looking very fatigued at
L. P. Ranch.

coyote - several sets seen at College Park

LIDICKER

1975

Hill Mon. Exp. cont.

Near - scats + diggings seen on Steve's study area.

Herp: Sceloporus - com.

Garthodus (multicarinatus?) - ventral stripes between scales) - 1 ♂ specimen - Lake Pitts. Ranch

W. skink (blue-tail) - 1 Cottage Patch
females in swimming hole at Ranch

Nil ear large tree snake at Cottage Patch -
possibly Masticophis lateralis.

Birds:

Corn Egret - 1 } Sonoma + Marin
Snowy Egret - see } Cos.

Amer. Magpie - 1 ♀ (Lake Pitts. Ranch)

Turkey Vulture - com.

Red-tailed Hawk - see.

Swainson's Hawk? - 1

Sparrow Hawk - see.

Calif. Quail - 1+ (Lake P. Ranch + first. com at Cobbley Ranch)

Killdeer - 1+ Lake P. Ranch + see. Sonoma Co.
unident. gulls.

by tern - juv. Caspian - near Richmond - S.R. bridge

Rock Dove

Mourning Dove

Corn. Nighthawk - 1+ High country

Report Hummingbird - 1♂ + see. unident. Selasphorus,
unident. hummers - see.

Red-sh. Flicker - see. (various elev.)

Acorn Woodpecker - 2+ - Cottage Patch + other places

LIDICKER
1975

Hull Mtn. 5 x 2 cont.

"Red. br. Sparrow - seen.

White-headed Woodpecker - seen by Stan Smith + NLC but not by me.
W. Kingbird - 1 (Potter Valley)

Asl-throated Flycatcher - 1 (Cottage Park)

Black Phoebe - 1 (Gravelly Valley)

Empidonax sp. - juv. Hammondi - com. at high elev.

W. Wood Pewee - seen.

Olive-sided Flycatcher - 1+ heard at high elev.

Violet-gr. Swallow - com.

Rough-w. Swallow - seen along Salmon Creek

Barn Swallow - com.

Cliff Swallow - com.

Gray Jay - 1? being chased by W. Bluebird (high elev.)

Steller's Jay - many

Scrub Jay - 1+ (Gravelly Valley)

Com. Magpie -

Com. Raven - 1 (high)

Com. Corn - seen.

Mountain Chickadee - com (high elev. down to Cottage Park)

Bushtit - flock (Cottage Park)

Red br. Nuthatch - com. (high elev.)

Horned Lark - 1 reported by S. Smith ($\frac{1}{2}$ mi. S Monkey Rock)

Rock Wren - 1 (along ^{high} $\frac{1}{2}$ mi.)

Robin - many to none at high elevations

W. Bluebird - seen (high elev.)

T. Solitaria - 1 ("")

G. cr. Kingbird - 1 seen by S. Smith ($\frac{1}{2}$ mi. S Monkey Rock)

LIDICKER
1975

Hull Mtn. Ext. cont.

Starling - ✓

Orange cr. Warbler - 8+ (high elev.)

Nashville Warbler - 1 (in. s. monkey rock)

Yellow Warbler - 2+ on Steve's study area

Academy's Warbler - 20+ (incl. ^{feeding} juv. being fed)

House Sparrow - ✓ (day, L: flying 101)

W. Meadowlark - many

Red. w. Blackbird - com.

Brewer's " - com., esp. Potter's Valley

Bullock's Oriole - 1+ (Cathay Potter)

Br.-headed Cowbird - var.

Blk.-headed Grosbeak - var. (light to mid. elev.)

Pine Siskin - 1+ (Light elev.)

Am. Goldfinch - var.

Green-tailed Towhee - com. (Light elev.)

R. sided Towhee - 1 (near Gravelly Valley)

Oregon Junco - com. incl. fledglings (high elev.)

Clipping Sparrow - many (Light elev.)

Blk.-clined Sparrow - 2+ (N-side Mt. Hull, ~6200 ft.)

Fox Sparrow - com. (Light elev.)

Lincoln's Sparrow - com. ~ Light elev. meadows

Say Sparrow - nice. Gravelly Valley

Alaskan Trip

22 July - 30 July

July 22 Left S.F. Airport 1025 on flight to Seattle;

arr. 1205. Left on Alaska Airlines (Pan-Am plane) at 1400; arr. Fairbanks 1640 after stop

LIDICKER
1975

July 22 cont.

(2 hr. from you change)
in Anchorage. Jerry Wolff & his wife Maureen
met me at the airport. I stayed at their home.

July 23

Steve West, Jerry, & I went to the study
areas N. of Fairbanks at the Wickham Burn (1971).
Went with Steve & his dog Jim. He had ~5
cladonia sections on his number grid &
4 C. r. & 4 Micromes occrevans on his burn
grid. The Jerry showed me most his Snowshoe
Lore study plot. Took several photos including
2 of a large red squirrel hidden. While on
Jerry's grid, a heavy rain storm hit, & continued
about a hour. We got pretty wet before we ran to
a jukp & took in for shelter. The only birds
seen were Gray Jays, St. colom. - Juncos, & 2
flock of min. sp. finches flying over.

We returned to Fairbanks after taking a brief
break & visited at Jerry & Steve's office
(Diss. of Faculty) & at the Inst. of Arctic Res.
Chatted also with Dave Klein, head of Alaska Corp.
Wildlife Unit. Met Dave Grigal of the Univ. of
Minn. who is a student working on vegetation-
lore interactions. Also talked to Jerry Szwartz in Bldg. B.
Dinner at Wolff's home.

July 24

Went to Univ. & then to Calif. Fish & Game office
where met John Coady who studies moose. Arranged

LIDICKER

1975

July 24 cont.

Waited for Tom to go flying tomorrow morning. Then talked with Jean Ernest who works on snowshoe hare reproduction. At ~ 0900 we met George West coming out of the Inst. of Arctic Biol. (IAB). Then Jerry & I went to Bonanza Creek Exp. Forest. We looked around white spruce forest, including some clear cut & selectively cut stands. Picked bushes & raspberries. Then we went into the River Valley, across a black spruce & tamarack bog & along the edge of river. Heard 2 red squirrels ~~along~~ ~~the~~ over the river. We examined a no. of squirrel middens in the white spruce and none showed any sign of activity (the first 2 corecrops were poor). The black spruce bog had a surprising no. of birds - including redpolls, white winged crossbills, 1 Lincoln Sparrow, & 1 female Pine Grosbeak, & Hudsonian chickadee.

Got back on IAB about 1400. Talked to George West, Lou Stratton (on leave from U. South Carolina & working on conservative hemerophyte structure in M. ciliatus, M. pruinosus & M. cordatus). M. pruinosus from mountain have a double flr. white Tamarack Valley pruinosus (was a sign Ht), Larry Duffy (ass't. to Stratton & interested in M. xanthogaster), & Peter Morrison.

Had dinner with Steve West & Doug Pengelly at Wolff's. After dinner we went back

LIDICK EX

1975

July 24 cont.

to lab & process 3 Chlorionyx nubilus
& 1 M. occidentalis. Then we all went to
a saloon 5 $\frac{1}{2}$ f. from (Howling Dog; Malamut was
full up)

July 25

Jerry & I were at the small plane airport
at 0715 when we met John Cooley & Dale
Hagstrom (grad. students at UA & also work w/
FBI & CIA). We took off in a 4-seated
plane & tracked down 5 moose with radio
transmitters. We located all 5 but only
saw only 2 of them. In addition, we saw
~ 6-8 additional moose. We ran into a
reinstrom & had to give up trying to spot
one of the moose. Flipped over Tanana
Valley 5+ E. of Fairbanks. Returned to Fairbanks
about 0915. Went home to change clothes &
then went to Univ. Called Karl Schneider
in Anchorage to try to arrange for me to visit
the Fish & Game & talk to main mammal people
there. Made return flight north out & talked
to Jerry about his thesis research. After
lunch went to TAB & talked to Fred Dean
Peterson, & George West. Worked on
getting my seminar ready. Gave seminar from
1530 - 1700. Went to West's for dinner with
Dale & Carol Feist. George's oldest son Mark
(12 yrs.) was also there. Jerry found in Li.

LIDICKER
1978

car and could drive back to his house.
got back ~ 2400.

July 26

Very took me to look at one of his study sites along Goldstream (NW. of town). This is an area where rabbits live in willow + alder with almost no spruce. Then we went to Dale Frist's hare study grid a few miles further. Here there is a beautiful ^{white} spruce forest with some spruce + extending into a black spruce stand. We saw 1 snowshoe hare in the mixed forest. Ground cover is dominated by Equisetum sylvaticum + rose. Saw Green-winged Teal (5), Solitary Sandpiper, Robin, + a Raven on the way back.

Went to the muskrat farm on Yankovitch Rd. + then to Berry Swartz's house. He showed us his Coturnix farm, his peregrine falcons (3 ad. + 2 chicks which we did not see), sand gyrfalcons + a Gos hawk. Then we went in town + watched the Golden Days Parade along 2-street. About 1400 we had a pizza for lunch. About 1700 Berry + Peggy Swartz came over to Wolff's for dinner. Then we went to Alaskaland - Palace Saloon, + to a place on the fiddle boat, + then to the Flame Saloon + home about 0200.

July 27

Left a little later than usual. Got ready for

LIDICKER
1975

Aug 27 cont.

(Steve West)

overnight field trip to Hass Creek. Left lab at ^{8:30 AM} 1140. Stopped at Fox ¹ _{1/2} mile ^{1/2} _{1/2} south of Fairbanks to fill our water jugs - found Fox Spring. Continued N. on Elliott Highway. It's hot - $\sim 4\frac{1}{4}$ hr. drive to Hass Creek area (~ 21 mi. NW Livengood by car). It rained most of the way but began to clear up when we got there.

Second miles N of the Hass Creek Bridge there is a brown area the bound is 1968 or 69. From one when Steve had found Micromys xanthognathus for the 2 previous years we set traps. Sign was abundant & we could hear the rods squeaking everywhere - on both sides of the road. We set 21 by Sherman traps (7 ea.) on the east side of the road (dry oatmeal bait). About 12:30. further S we set traps along the edge of the natural forest. Here we set 19 by Sherman; 4 set 7 of these in a grove area where there was a small out of the cotton sign (W. side of road.), but no M. x. sign, & along the edge of the black spruce forest. Steve & Jerry set 6 ea. Then we and set 5 more traps. I set nine in bunches on E. side of highway where there was sign of M. x.. Jerry's 5 were in the forest. Then we went back to Hass Creek, crossed it, & set 5 more of each in a black spruce bog & 5 more in along the edge of a small bog lake (a few cuttings were seen in the latter area. Along the N side of the Creek on 2 ^{cottonwood} ~~top~~ ^{top} groves. Here we set more traps.

LIDICKER

1975

July 27 cont.

Spent 15 (10 or 12 \times 5 - foot), Jerry set 15 + 3 more. A little to the N. of the Creek (~ 12:15) we tramped W up to the top of a ~~low~~ hill with a bald top because of quarrying.

On way up hill we stopped in another open quarry + each set 5 more (Mrs. 5). This made a total of 140 trap sets.

Before we began setting traps we had gone to the top of ~~the~~ hill, bald hill + set up our 2 small tents, because it had been threatening to rain all the time. Now we had our dinner. At ~ 2115 we landed at + checked our live traps. At 22 first site (2130-2145) (4.3 mi. N Hess Cr. Bridge) we caught:

W2L - 4 M. xanthognathus; SW - 3 M. x. + JW - 2 M. x.
All traps but 2 of Jerry's were reset. Lots of spending still in evidence, + several were seen on both nights.
At the 2nd site (3.8 mi. N. Hess Cr. Bridge), we caught (2200): W2L - Catherpes mexicanus - 2 (live traps)
4 Microtus xanthognathus (snap traps); SW - 1 C.r.
+ 1 M. x. in live traps + 1 Microtus (prob.) oreocromis
in snap traps; JW - 1 C.r. (live). All full live traps picked up + Mrs. sp. re-set. Back at camp, saw a N. Shrike + took 2 photos of sunset at 2215. Got + bed ~ 2300 even though it was still light. Catch so far: 19

July 28

After breakfast, broke camp, + started out for

L. DICKEN

1975

July 28 cont.

topless 0755. No rain during the night but
was a lot of condensation.

Picked up traps first in mature forest. Catch: 1
C.r. (W2L). At the 1st trap site: W2L - 4 M.x.,
J.W. - 2 M.x. + 1 C.r., SW - 5 M.x. (3 of which had died
in the traps). Second trap site: W2L - 1 Microtus
(?) deconatus, 1 C.r. in live trap. In 111-trap:
1 M.O. + 3 M.x. + 1 add. trap set off. JW (grass +
edge W of rd.) - 4 M.O. + 1 C.r. in live trap + 2 C.r.
in snags (+ 1 add. set off). SW - 3 M.x. (1 dead) in
live trap + 1 M.O. + 1 C.r. in snags traps (W of rd.).
Thus the only M.O. taken at this site E of the rd. was
the one I caught in the same sector as M.x.; photo
taken of this sector. For the ^{cottonwood} Poplar grove: W2L - 3
M.O. on edge + 4 C.r. (1 on edge + 3 in forest). JW -
3 C.r. (cottonwood) + 4 C.r. (edge). SW - 1 C.r.
+ 1 Sl.c. junca (forest). At the bog site: W2L - 1 C.r.,
SW - 1 C.r. + JW - 1 Sorex. We had nothing in our
traps around the pond. Saw group of Bank Swallows over
+ around Hess Creek. Catch for morning = 49 animals for
a total of 68. Summary of catch:

Microtus xanthognathus - 31 (20 alive)

Microtus deconatus - 11 (5 alive)

Clethrionomys multimaculatus - 25 (7 alive)

Sorex sp. - 1
68 (32 alive)

Then we headed back for Fairbanks, arriving about

Lidicker

1975.

July 28 cont

1330. After unloading the vehicle, Jerry & I went home, showered, & then on to MacDonald's for a hamburger. Then we went to the lab & started to process the live catch - getting plasma, RBCs, liver, & kidney. We finished 18 & then went out to dinner at Steve West's & Susan Fison's cabin on the Goldstream Rd. We had an excellent dinner & stayed until ~2230. Went back to lab to feed the remaining 14 live animals leftover from Susan's dinner.

July 29

Jerry & I started out at 0645 for Mt. McKinley National Park. W: 12¢ stop for gas as it took us about $2\frac{1}{4}$ hrs. It was a beautifully clear day & the mountains were magnificent. We got a camping permit for Wonder Lake & so were able to drive into the Park instead of taking the shuttle buses. We drove in as far as Polychrome Pass, & then since it was almost noon, we turned around & headed back. Mammals seen in the Park:

Tamiasciurus hudsonicus - 1 PDR near headwaters

Spermophilus parryi - com.

Dall Sheep - 25+ (no ad. ♂ & ♀; and one)

Grizzly Bear - 8

Caribou - 3 ♂♂

moose - 1

We also sighted 8 Golden Eagles, at least 7 of which seemed to be separate individuals. Got back to Fairbanks 1615. Great trip!

LIDDECOM
1975

July 29 cont.

Went directly to IAB for chat with George West. Then talked with Bud Fay. Jerry & I then went to a souvenir ~~→~~ shop in town previously stated on by Maureen. Then home for barbecue and moose steaks. Jerry had to teach a class from 1900-2200. I borrowed his car, went to airport to get my car ticket adjusted, & then went to INF lab. Steve & I finished processing the remaining 14 live mice, & then we packed all our ~~→~~ frozen specimens ($68 + 4 = 72$) in 5 lbs. of dry ice & then this box inside of a larger one with styrofoam insulation. Back to Wolff about 2300 for packing in bags; back ~2330. The box of specimens was placed in Jerry's freezer overnight.

July 30

Jerry took me to airport for 0810 flight to Anchorage. Took taxi to U.S. Fish & Wildlife Office (4454 Business Park Blvd.) where I had an appointment with Ancel M. Johnson who is in charge of seals & sea otters. Had a pleasant & productive chat with him. He seems anxious to cooperate in getting ^{frozen} blood & tissues for us. Then I took a taxi to the Alaska Fish & Game Office (333 Raspberry Rd., off C St., just S of Anchorage Airport Rd.). Here I chatted with Don Caulkins who works on sea lions. He would like to cooperate in sending frozen tissues for analysis of disease organisms. He then took me to the

LIDICKER

1975

July 30 cont.

airport, where I had a flight to Seattle at 1400.

The Seattle - S. F. flight was delayed 1 hr. so did not arrive in S. F. until 2225.

Birds seen in Alaska:

Pied Pt. Grebe ?-1 (Fairbanks)

Mallard - 1♀

Pintail - 1♀ (Mt. McKinley, Natl. Pk.)

G. W. Teal - seen.

Scaup ? - 1 (Mt. McKinley, N.P.) - not much white around bill

Golden Eagle - 8 (Mt. McKinley)

Marsh Hawk - 1

Willow Ptarmigan - ~15

Solitary Sandpiper - 5+

unident. gulls - 8+ (widely scattered singles)

Long-tailed Jaeger - 3 (2 ad. + 1 juv.) - Mt. McKinley

Herring Gull - 10+ (Anchorage) + seen, evidently, gulls
and jaegers
new gull - 10+

Rock Dove - Fairbanks

Blk-backed 3-toed Woodpecker ? - 1 (' solid-black back woodpecker
seen briefly)
+ seen, unident. woodpeckers.

Traill's Flycatcher - 2+

Oliver's fly " - 1

Cliff Swallow - 30+

Bank Swallow - 10+

Barn " - 1

Gray Jay - many

Red-billed Magpie - 2 (Mt. McKinley, N.P.)

LIDICKER
1975

Alaskan bird list cont.

Com. Raven - many

Boreal Chickadee - sv.

Robin - 1 (near Fairbanks)

Am. B. f. t - 4 (Mt. McKinley N.P.)

W. Shrike - 1 (N. of Hess Creek)

Myrtle Warbler - 1 juv.

Pine Grosbeak - 2

Com. Redpoll - 25+

Wh.-winged Grosbeak - 15+

Scarlet Tanager - 1+ (Mt. McKinley N.P.)

Slate-colored Junco - com.

Wh. cr. Sparrow - 3+ (Mt. McKinley N.P.)

Lincoln's Sparrow - 1 (log at Bonanza Creek Exp. Forest)

Brooks Island trip.

Nov. 2 - trip arranged by East Bay Regional Park Dist.

Went with: Neil Harvik, Harry News, Ross

(geologist, U.S. Forest Service), Arnold

Schultz, Larry Heckard, Monty _____ (PR man

for district), George Coles & wife. Al Betenourt

took us out & back in two trips. Beautiful day.

Lift off 0800 & returned ~ 1430

Micromes moderately abundant, & extending out
on spit to end of land, is to rock jetty. Rat sign
abundant only around feeders. Saw 1 large garter snake.

Bird list: W. Grouse - 25+

G. B. Horn - 6+

Brown Pelican - 25+

Snowy Egret - 2+

D. cr. Cormorant - 20+

Lesser Scaup - 20+

LIDICKER
1975

Bonk Island - Nov. 2 cont.

Wh. w. Scoter - 1	W. Snowy Plover - 3
Surf Scoter - 20±	Killdeer 5±
Ruddy Duck - 10±	Blk-bd. Plover - 40±
Red br. Merganser - 1	Blk. Turnstone - 15±
Wh-tailed Kite - 1 or 2	W. Willet - 25±
Red. H. Hawk - 1	Least Sandpiper - 1 or 2
Pheasant - 15± (incl. 1 white one)	Dunlin - 200±
Coot - 45±	W. Sandpiper - 300±
Marbled Godwit - 5±	Mourning Dove - 1
Sanderling - 50±	Red sh. Flicker - 2
Glaucous-winged Gull - 3+	W. Meadowlark - 3+
Western Gull - 100±	Brewer's Blackbird - 2
Herring Gull - 10±	House Finch - 20±
California Gull - 10±	W. cr. Sparrow - 100±
Ring-billed Gull - 15±	Golden cr. Sparrow - 1+
Bonaparte's Gull - 2	Song Sparrow - 30±
Herrmann's Gull - 2+	(n = 40)
Foster's Tern - 6+	

Hastings Natural History Reservation, Carmel Valley, Monterey
Co. Calif.

w/ Mammal class 14-16 Nov.

Nov. 14 - Woke down to Hastings with family. Patterns &
^{mammology} class met in separate cars. Overall in bay area
but clear from San Jose south. Helped students set
trap along Robertson Creek.

Nov. 15 -

About 1130 sat by Shenns with Dave Kishine for
Micros. I set 19 collapsible os & Dave 18.

LIDICKER
1975

Nov. 15 cont

Mic. are moderately high in numbers. We set in meadow with brush strings + Stipa to 5' of main road. Pounds 50-75/acre. Lots of old sign, especially in meadows between rd. + creek + in meadow from water tank to Calhoun line. These annual grass meadows are infested with old burns, but fresh sign is scarce. Saw some stuff coming up but none in Stipa meadow.

1610 - on trap line. Two mic. in my trap + 2 in Dave's. Some mic. have been caught along Robertson Creek - both new roads along creek + in woods. Set 3 but nets will Jim Patten + others over stock feed give no favor + Blouquist + property - saw the water tank. Laded in tank + Lasinus cinereus out of the sea. At dusk we saw half a dozen Myotis around the pond; 1 hit a net, but none was caught.

Nov. 16

Dave on trap line + picked up 3 more mic. from my line. Light rain for most of AM. At 10:30 we picked up the entire line + I had 1 more mic. ~~This makes a total of 8~~ ~~Front others~~ picked up ~~additional trap with mic. too far in~~. This gave a total of 8 for our joint trap lines. Walked with traps (including Jeff + Ken) up onto oak-wooded Calhoun Line + Schoolhouse Hill. Picked up eleven mic. traps on way back. Saw active mic. sign in woods along Calhoun line. Also saw 1 mic. + some active sign in meadow

WICKER
1975
+
1976

Nov. 16 cont.

on way up L. 11 to Coloma L. m.

A few birds of note:

Wh.-fl. Kite - 2 (1 carrying something like nesting material)

Cooper's Hawk - 1+

Red sh. Hawk - 20+

Red. sh. Hawk - 1 (~ 10 mi. above village of Cornet Valley)

Sparrow Hawk - 1 on Res., saw others elsewhere.

Caly. Quail - about.

Anna Hummingbird - 1

L. Shrike - saw, seen on road

Red sh. Flicker - com.

Starling. " " "

Acorn Woodpecker - com.

Wren - Tit - av.

Nuttall's Woodpecker - 1+

R.-sided Towhee - 1

Black Phoebe - 3+

etc.

W.L. W. Nuthatch - 1

Var. + Thrush - 1

Var. ad Thrush - 2

W. Bluebird - com.

Ruby cr. Kinglet - 1

1 $\frac{3}{4}$ km. N, 1 $\frac{1}{4}$ km. W Colfax, 2200 ft., Placer Co., Calif.

Nov. 18, 1976

Set 20 large Sherman live traps on property of L.J.

O'Brien + family. Traps were set specifically for the mink
+ baited with dry oatmeal. Small units of M. m. sign found
around base of stone fence + on edge of adjacent brush
+ forest. Traps set - late morning. Howard + his
2 dogs + 3 cats, and 1 of the latter helped us find

LIDICKER
1972.

several fox runways. So, I suspect predation pressure is heavy.

Jeff, Tim & cousin Tommy checked the traps several times in afternoon. One trap was sprung, one caught a Microtus (within 1 hour of setting), & 1 was sprung to the inside of a water pump housing when rodent activity was obvious. This left 18 traps un-sprung overnight.

March 14

Picked up traps about 1100. Trap in pump housing contained 1 Peromyscus boylii - lactating ♀; it was released. All other traps were empty, but 1 was closed. Microtus was brought back to Birkely & kept overnight again in the trap. On March 15 it was killed, blood, kidney & liver taken & skinned. (W2L#3507).

Alaskan Trip

24 Aug. - 2 Sept.

Aug. 24 Left S.F. airport 1420. Stopover in Seattle.

Arrived Anchorage ~1800 (local time) & went to Anchorage Westward Hotel - reservation having been made by Aneel Johnson. (#28/24, "gold. robe").

Aug. 25 Went to U.S. Fish & Wildlife Service Office

(4454 Business Park Blvd.)  visit with

Aneel Johnson. Arrived about 09⁰⁰.

Visited with him until 1400 when he took me to the ~~the~~ Alaska Fish & Game Office (333 Raspberry St.) to see Don Cattling. Visited with him until ~ 1530 when I & crossed Roger down ^{the} back to

LIDICKSON
1976

Aug. 25 cont.

th local to pick up my luggage & then took me to the airport. Worked at airport, had a sandwich & then boarded a plane at 1900 for Fairbanks. Beautiful view of the Alaska Range; landed at 1950. Maureen & Jerry Wolff met me at the airport. Went to their cabin on the Gold Stream Rd., & chatted until after 2300.

Aug. 26

Jerry & I went to Inst. of N. Forestry on University campus, & talked about our Micromys xanthognathus project & analyzed some data from his last trip on the study area. Also soon we left for the Wickersham Dam study area to watch the controlled burning of 3 small plots of black spruce forest. Took a number of photographs, & then lost a hammer. Met. Keith Van ^{Leave} of the Forest Soils Lab. at the Univ. of Alaska; he was at Berkeley - early 60's working with Arnold Schulz. Drove out & back with Dean Argyle who is forest manager with INF.

When we got back to the cabin we talked with Stan West & Doug Penning. They have a burning colony of M. xanthognathus at a site immediately adjacent to the control burn plots at Wickersham. They also have Lemna trisulcata & a sp. of Micromys which I cannot identify; it is small & has a green short append. This plot burned 2 yrs ago & is now all M. oeconomus & C. nuttallii.

In evening Jerry & I did some grocery shopping for our flight back tomorrow to Hess Creek. Got to bed after a shower at about 2245.

LIDICKOR
1976

Aug. 27

Got up 0730 & we went to airport to pick up Celia Hunter's (president of Wilderness Society), ^{car} who lives in basement of Wolff's cabin. Jerry went to Lath to pick up vehicle for our field trip. Back home we had breakfast & packed up New Fox saw & sharp-shinned Hawk. Lugo ~ 1000. About 3 miles out we had a flat tire & discovered 1) the tire we had provided us the wrong size, & 2) the spare was nearly flat. The next town along, Round Creek, is a tire town so we could change the tire. Then we drove slowly the additional 35 miles to Livengood. The gas station had neither gas nor air so we went to Livengood Alaska Camp, & were able to not only get some air but get our flat tire fixed as well. The down on the road are at mile 28 on the Yukon Hand Rd.

Set grid the Jerry had been setting since May at mile 28: 10 traps by 10; 5 m. between stakes. Set by collie. Me 5 hours using control oats for bait, 1500-1600. Then from 1600-1615 set 10 more traps on an account line 5 of grid, down stream, starting ~ 20 does below trap T-7. When setting last 2 traps, heard M. x squeak for first time today. Heard many squeaks in sun & few moments & went back on way back to road. Jerry set a similar line on N side of grid & 10 more on a nearby grassy knoll.

Then we went to mile 27 (where we had last year) & I set 5 by, 5L, in a grassy area on S. side of rd. (very little sign). Jerry set 5 - with grassy area

LIDICKER

1976

Aug. 27 cont.

on the same side of the road ± 10 m. the adjacent woods. The we set 20 large snare traps in low growing area on N. side of mt. (where we had caught both M. x & M. pennsylvanicus last year). Finished this about 1700. The road to mts. $28\frac{1}{2}$ & M. ± S on side road which goes up a knoll to a growing & supply depot for Alyeska. Then we set up camp on the edge of the cleared area.

It was a beautiful clear & ~~warm~~ warm day. As we were eating we could see - road down & small rain storm off to the E heading our way. Mosquitos were hatching but - in woods & around our camp there were few flies lots of gnats and a large number of some black beetle which insisted on flying to us & crawling over us.

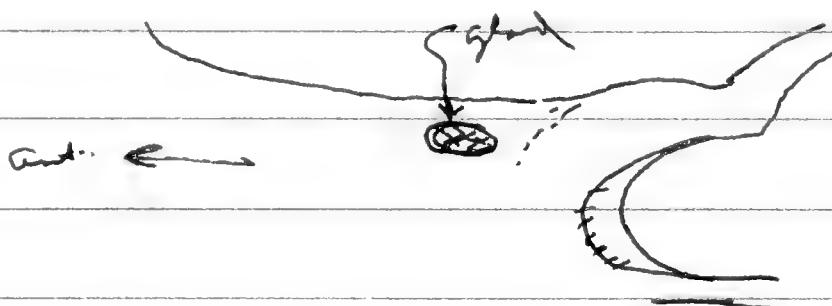
2000-2110 Ran grid & lines N & S of it. Caught 11 M. x & 2 C. f. on grid & 2 more M. x on each of the assessment lines. The last 4 were brought back to camp. On the only sunny knoll there was 1 more M. x. This last was marked & released, & the trap reset. As it was getting dark we decided ~~not~~ to check the traps at 27 m. Instead we went on to the pipe road itself & about opposite the old trapping area (Steve West's camp) we took out 5 snare traps (on ground & end side of the pipe). But traps were baited with peanut butter & a few oats. Retired to camp. Saw - heard small Red Squirrels during the day.

Got into our sleeping bags ~ 2245.

LIDDESDALE
1976

Aug 28

Set up about 0650, & headed for our trapline. Checked grid 0715 - 0800. In the 10 mds at 27 m. we set 2 M. x + 1 C. r. Live trap round on shoulder. Later we checked the 10 mds traps along the ~~the~~ old road (pipeline). I had 2 M. x + 2 C. r. + 1 very M. x. Back in camp we cooked breakfast, & then continued the 9 dead mics. The "hip gland": M. xanthognathus is really a post. flank gland, but sometimes extends over the ant. edge of the hip. Shown in the diagram in 1st. ♀ - dorsal view.



We left the carcass out on a log when we left. 1245 - Set 5 by. sh. traps on each side of road at 26. 1 m. in order to catch additional M. xanthognathus for tissue & blood samples. At 1255 set 6 by. sh. at 27 m. in water, S. side of road - gray area. 1300-1320, I set 5 by. sh. - gray area on S. side of road. When there was lots of M. x signs & squeaks, they set 3 by. sh. on N. side + 2 on S. ^{We} then set 5 more traps along a moist creek bottom in the same area. Retuned to camp for lunch. All but 3 of the men were worn out from work & 3 gray jays were working hard on the carcass - 3. They were very effective at

LIDICKSON
1976

Aug. 28 cont.

standing on the carcasses & pulling off the chunks of meat.

At about 1500 we headed out again and at 1515-25 set 5 more sets traps along the feed road near our traps line. Ran the previously set traps then a walk, re-baiting etc., moving several to nearby locations. Caught 1 ad. ♀ C.r. Jerry also set 5 more sets traps on other side of traps, ^{scapes, mix in 2nd trap line.} of traps. Took several photos of the traps & 1 of the felisters along the trapline.

1540 - Set 5 sets traps ~ 1/2 mi. further down feed road, 1550-1605 - checked 4 traps line & one set at 27 mi (this is really at ~ 27.5 mi.). Nothing in any traps but see. trap cargo - line trap 1605-1715 - checked traps & saw many knoll near grid while Jerry set out last 5 traps - goes nearly. Ran grid & would ride along every trap into a new location, checked, baited when needed etc. Ran N eastward line which we skiped earlier. Got back to camp ~ 1725. Jerry & I prepared the 2 dead mice for the feed road line, while I wrote some notes.

Total of 219 traps set.

Had dinner, & then at ~ 1915 headed for trapline. Went to traps one at 26.2 mi. point first. ⁽¹⁹²⁰⁾ Found 5 SL & had 1 M. occidentalis which I picked up to bring back alive. Jerry had 1 C.r. in his which he released, & we set the trap. At the 27 mi. marker we had ⁽¹⁹³⁰⁾ 2 ad. M. xanthognathus - both ♀. These were killed for anatomy. Then we went to

LIDICKER
1976

Aug. 28 cont.

our new sets at 27.8 mi. (1935). I had 4 M. x, 2 subadult were released + 2 kept 1 ad. ♀ ^(#3533) & 1 subad. ♂ ^(#3532).

The latter 2 were killed for autopsying. Jerry had 1 ad. ♀ M. x (killed for autopsy) + 1 C. r. (caught at 1940 + released). The 5 rat traps had 1 ad. ♂ M. x ^(#3534)

checked grid 1950-²⁰~~10~~. Caught 1 adult ad ♂ which we had not yet caught this trip. Then checked ~~assess~~ line of 10 to S. Returned to camp.

Turned in about 2200.

Aug 29

Got up 0650 + had breakfast. Picked up grid 0800 - 0850 including assessment line. Caught 21 mice on grid.

2 10 Sh. on nearly spruce knoll had 2 M. x, 1 M. o + 1 Mustela erminea. The weasel smelled like a wild skunk. We let it go so as to not interfere with the study area. I Jerry's rat traps near the knoll, there were 2 M. x.

0920 - picked up traps at 27.8 mi. In the 3 Sh. preceding of the 5 set, there were 3 M. x, all subadults + so released.

The 5 rat traps were empty although 3 were sprays. I Jerry 4, 1 running 5 Sh., ^{WS} ~~1~~ C. r. (released).

At 26.2 mi. traps: W2C - 4 Sh. - nothing

Tow - 5 Sh. - 1 M. o (or pmn) + 1 C. r.

^{#3529} 2 → (released); the M. o was caught but later died

At the 27 mi. marker - 4 Sh. traps - nothing

0945 - 27.5 mi.: 10 rats - 2 M. x (including ^{ear tag} #1068) 4 add. traps were sprays.

LIDICKER

1976

Aug. 29 cont.

10 Sh. in forest - 1 C.r. (nestling)

10 Sh. in grass - nothing

Traps along fed road:

W2L - 10 sets - 5 Mx, 1 C.r. (mostly eaten) +

1 Gray Jay.

JOW - 10 mt traps - 2 Mx

had 5 mt traps (W2L) about $\frac{1}{2}$ mi. farther S.:

1 C.r. + 1 snuffed trap. Finished

Picking up traps at 1025. Then we went back to camp to pack up. Left ~ 1130. When we went by the grid we stopped to take photos. I took 5 on grid. Weather has been clear & mild during whole stay, although rain squalls have been seen frequently in the distance.

Yesterday evening + early this AM a jacket was needed.

Birds seen in the Hoss Creek area:

Raven - many

Gray Jay - many

Boreal Ch. Chukar

St. c. Juncos

Myrtle Warbler

Rusty Blackbird - 1 (Livergood)

heat woodpeckers twice but saw none

Varied Thrush - 2

Rough-legged Hawk - 1 (dk ^{new})

Red st. Hawk - 1 (all bl. except

^{an} Hawk tail lighter brown or tan +
st. lighter ventral wing
linings)

Sh. sh. Hawk - 1

Tree Sparrow - 1

Redpoll? - 3

On my back to Fairbanks we went through several rain showers starting in Livergood. Stopped - going on way so very cold from his rifle + adjusted the sights.

Got #6 worth of gas in station 4 mi. W. of Livergood.

LIDICKER
1976

Aug 29 cont.

Got back to Fort Davis ~1600. Went to lot to railroad station wagon & then returned to a party in the woods across the street - organized by ^{7th} Dean family & Liz + Bill Berry. ^{Also met Fisher & Univ. & Mr. & Mrs. Sweet + Terry + Les} Jerry & I left & went to set traps for Microtus
1900-20 Set 20 SL. in "T-field" - experimental plot of the University ~1 mi. SW of the campus. Gravelly in which a set was within a strong fence which would keep larger animals out. The grass was 1 - 1 1/2 ft. tall & contained a moderate amount of sign. Running & tended to be indistinct but piles of feces were frequently noted & some cutting.

1930-40 Set traps directly below the University campus ~~along~~ in grass over along the railroad tracks. I set 16 & Jerry 10. Total traps are 46.

Aug 30

^{47°F.}
After breakfast; Jerry & I set out to check on traps.
0835 "T-field": I had 3 M. occidentalis & Jerry 1 (full traps around).

0855 - traps along railroad: W24 - 2 Microtus

longicaudus (1 may be occidentalis) & 1 dead one.

1000 - 1 live M. form. & 1 dead one. Reset trap w/ dead mice. Worked in lot at foot of N. Frosty getting blood samples of the 7 ^{live} Microtus caught this AM & the 1 M. occ. brought back alive from Hors Creek. Also another pair dead mice brought back from Hors Creek.

LIDICKER

1976

Aug. 30 cont

Talked to Stan West & stopped by to see George West w/ IAB triffy.

1610-25 - Back to "T-field" to run traps. Had 1 more M. oce. - my line, leaving of 6 traps - this old line. Set 10 more Stevens; Jerry set 15 giving now giving total of 40 traps there.

1645: Raining took traps. Caught 2 in each set, none to make $15 + 10 = 25$. Nothing in traps.

After dinner we went to Okta, west of Goldstream & Ballaine road (~5 mi. N Fairbanks). Set traps in a ~~open~~ grassy ~~area~~ ^{area} bird zone with lots of V. Burton, rose, & pine weed. Was a small area of Microtus sign but it was difficult to find because of the tall grass & thick litter.

I set 15 traps & Jerry 21 for a total of 36. Trap setting 1930-2010. Saw 1 Snowshoe Hare while setting traps.

Aug. 31

0815-30 picked up traps at Okta (5 mi. N Univ. of Alaska, Fairbanks, 5500 ft.). I caught 2 M. o. & 1 C. r. (1 more in and swap of 5 traps). Jerry caught 1 C. r. The red-backed voles were released. Beautiful sunny day; 49°F when we left cabin.

0900-0905 picked up traps along railroad tracks (Ex. Farm, Univ. of A.). Catch: W2L-3 Microtus

1000-1 M. o., Mustela rixosa

Took photo of Ex. Farm from hillside below IAB. Then we went to "T-field" (~2 mi. NW Univ. of Alaska, 5000 ft.).

LIDICKER
1976

Aug. 31 cont.

Picked up traps (0915); catch: W2L-1 M. o.

J2W-3 M. o.

Stopped to take photo of Smith Lake below the T. field
& part of the Univ. nature museum. Had closer look at
very bold red squirrel, & saw several others. Went back
to INF lab & processed the 12 live animals (11 from
today & 1 from yesterday evening). It took until about
1315. Jerry went on awards selection & his pending
hunting trip. Also talked w/ Pete Myers (just from Barron) &
^{some time} Jerry went.
Went to Woods Center (studies room) for lunch. Then
back to lab to leave note for Jerry, ~~but he had left~~. On
the way stopped at Bunnell Bldg (Biology) & talked
with Jerry Swartz & Brina Kessell. Walked to
1AB ^(several flights) & talked to Steve MacLean (and young son Andy)
at George West. Looked for Dale Suthie but he was
in convention so walked back to INF. Met Jerry &
we discussed M. x data until ~1700, & then went home
to shower & change. Took Jerry & Merritt out to dinner
at the Tiki Cora restaurant, & afterward we went
to the "Barb Affair", a club on the E. side of town.
Home about 2300, but Jerry & I talked to about mid-night.

Sep. 1

Got up 0710 in order to go with Steve West
& help him run his traps line out on the Bonanza
Creek rd. But, when he arrived at 0800 he explained
that the car did not last night & so he had not set
any live traps for m. o. mammals as he had planned.

LIDICKER
1576

Sept. 1 cont.

because of lack of good habitats for them. So he discouraged me from going with them. Therefore I went into the lab with Jerry. We went to see Bud Fay & get some sea otter tissues from him & picked up some of Jerry's & Steve's clam shells. Bud has the only domestic colony in Feb. Roads, if not in all of Alaska. Then we talked with Don Hartbauer who runs the annual colony for IAB & has had lots of experience raising & handling Microtus canadensis. His records indicate a weaning weight of ≈ 16 g, & he has had a few individuals live $2\frac{1}{2}$ to 3 yrs. He thinks ♀♀ do not reach really large size until $> 1\frac{1}{2}$ yr. old. Peter Morrison is using the growth data for his studies of growth & aging patterns. Bob Rawek who originally started this colony has lots of data from it - Sustention.

Then we went to the Comotion Dairy for 6 lbs.
of dry ice & to the Safeway to get a styrofoam cooler
(we got the last one which was delayed for 50¢).
Returned to lab to pack up our frozen materials, which
Jerry then took home to put in his freezer for testing
overnight. I talked with Ted Dryress (Director of INF)
until about noon. Then Jerry & I went to Jerry Swartz's
office & went to lunch with him at the student union,
chatting with one of Jerry's former students (Alan) who
works on raptors & has landed for Bobge Marine Lab
to work for Bob Risselberger.

LIDICKSON
1976

Syst. 1 cont.

Worked with Jerry on L.S. then until ~ 1500. Then Maureen finished up & we went home. ~~At~~ & borrowed their car & the next Dale Dentrie - L.S. office at IAB at 1600. We talked until ~ 1720. Dentrie - the mammalogist - on Days. & received L.S. masters & U. MI. (~ 1957-58) & PLD at Univ. Chicago (1963) with E. Olson. Then I had to buy two bottles of wine & returned to meet Steve & Edna MacLean at IAB at 1740. We went to their home ⁱⁿ at the York Estates to talk until 1910. Edna's brother was there (Bob) & Steve & Edna's two boys - Steven & Andrew (~ 6 & 5 year old respectively). Then I went to George & Angelita West's home for dinner around ~ 1920. Went home ~ 2210. Talked w/ Maureen & Jerry until 2320.

Syst. 2

Flight left Fairbanks 0840 for Anchorage & Seattle. Beautiful day; temperature 44°F at 0800. Ar. Seattle - 1510 (Pacif. Time). Flight from Seattle to S.F. leaving ~ 1620. Ar. S.F. 1805. Birds seen - Alaska other than - the Horseshoe area:

Pink M. Grouse - 6+

Sandhill Crane - 45+

Blackfish - 10+

G. w. Teal ? - 10+

Kestrel - 2

Common Grouse - 75+ (most were probably Lesser Scaups since (but I was sure w/ stiffer bill & very long tail cocking every

LIDICKER
1976

Alaska birds cont.

SL. sL. Hawk - 2

Glaucom-winged Gulls - 20+ (Cook Inlet, Anchorage)

Herring Gull? - see, Anchorage

Rock Dove - ~

Gray Jay - com.

Raven - com.

Boreal Chickadee - com.

Robin - 20+

Hylocichla sp. (Swainson's or Gray-cheeked Thrush) - 1

Yellow-rumped Warbler - com.

Wilson's Warbler - 1

Rusty Blackbird - 1

Slat.-eared Junco - com.

W.L. Coward Sparrow - 2+

Fox Sparrow - 10+

Hastings Natural History Reservation, Monterey Co., Calif.

Nov. 12-14

Nov. 12

Went to Hastings with family + Mammalogy class
+ Carol ^{John} Patterson. Mark Hafner is TA. Divided class
into 3 groups and set out 3 Caldwell lines. I took
group to ~~line~~ oak woodland line on Schollhaven Hill.
Then took a group to Rutherford Creek area to set
additional traps. Parked the car to adjust and
with Jeff & Ken, I set 4 other sets (one with four
wounds). We did not set last set because the stock
had eaten the seeds we usually set we completely dry. It had
rained about 1" a few days before, & this was the first

LIDICKER
1976

Nov. 12 cont. - Hastings.

Significant rain of the season. Much game talk in evening about birds and others on Mojave Desert rodent communities.

White-tailed Kite ^{driven,} to Randsburg Cornet Valley Rd., on saw 8 Red-t. Hawks & 2 Red shouldered Hawks.

Nov. 13

Ran chaparral California trap with 2 students. There was a good catch, but no *Lepus* today: 1. One trap at station no. 3 was missing; we looked down slope & found a old trap for our traps gone & set ours instead. At Robertson Creek, the gather sets produced 1 gopher. The traps & I then set 6 by stones along edge of chaparral down the road. Later ~~same~~ in the day, we set 9 mole traps close to the Station Headquarters. Spent evening talking ^{with Davis & Patterson.}

Nov. 14

Picked up traps at Robertson Crk. One gopher set had a dead gopher mysteriously laying near the road. The 6 stones produced: 1 Neotoma, 1 Peromyscus truei (both of which were released), & 2 Reithrodontomys (taken from a trap) & 1 Peromyscus californicus (killed for skinning by a student). The 9 mole sets caught nothing, but two were set off. Left for home ~ 1345. Saw Red-tail. Sparrow on way out. Two Black Phoebes had also been seen at the Station. Otherwise only common birds were noted; crows seemed more abundant than I had remembered them previously. 1 Perognathus californicus was taken: chaparral trap - today; only on Peromyscus.

LIDDELL
1976.
+
1977

Nov. 14 cont.

boykin was taken by the gnat & this was a live trap at Robertson Creek. Also, an Sorex townsendi was taken there. ~~Laurene~~ Mark Hafner saw 1 Apodemus j. j. Sc: was griseus in Mahon Canyon.

American River just above Sacramento Calif.

13 March, 1977

Took about $1\frac{1}{2}$ hr. walk along River (Park side) - 5 with NKL, JKL, KPL, Frachs (3) & Dorothy Marshall. Puffy cloudy, pleasant day.

Pied Mt. Grouse - 2

K:11 deer - 1+

Herring Gull - some

G. & Yellowlegs - 6

R.-, Billed Gull - com.

Spotted Sandpiper - 1

Calif. Gull - many

Kingfisher - 1+

Am. (com) merganser - 4

T. Vulture - 2

Golden-eye - 25± (mostly ♀♀)

W. Crow - com.

Mallard - 20± (mostly paired)

Scrub Jay - com.

Cliff Swallow - 15±

Y. br. Magpie - 10±

Rough-winged Swallow - 2+

Mourning Dove -

Violet-green " - 30±

Rock Dove -

Cedar Waxwing - 20±

English Sparrow - com.

Anna's Hummingbird - 5±

Starling - com.

Flicker - 10±

Black Phoebe - 2

Wart-tail's Woodpecker - 2

R. cr. Kinglet - 1

Brewer's Wren - 2

Robin - com.

R. b. Chickadee - com.

Brewer's Blackbird - $\frac{15}{20}$

Bushtit - com.

Yellow-rumped Warbler - 10±

Plain Titmouse - 10±

Brown Creeper - com.

LIDICKER

1977

March 13 cont.

Horned - saw. Wh. cr. Sparrow - saw.

Oregon Junco - 10+

Lots of suckers seen in the River.

Florida, Georgia, & South Carolina Trip

16-28 April

April 16 - Left on overnight flight to Miami.

April 17 - Ar. ~ 0615 in Miami & visited FSL until

morning of April 20. Took brief walk in State Park on S. end of
Key Biscayne.

April 20 - In rented car drove to Archbold Biological

Station near Lake Placid in Highlands County, Florida

Took the new toll road called Alligator Alley (continuation
(see 136th allig.th)
of Fla. 84 W. of Fort Lauderdale) across the Everglades,

then Fla. 29 N to just W/ US 27 at Herningay. Before

going to Archbold, went to Lake Placid & went to town

where I got stuck in a sandy road. Took me 1½ hrs.

of hard work to get out. Went to Archbold Station.

Was greeted by Glen Wolfenden (of Univ. South Fla. in
Tampa) & had dinner with him, Jim Layne, & other researchers
at station. After dinner, we went to Layne's house in
"islands" of Lake Placid for the evening. Stayed overnight
at the Station.

April 21 - After breakfast went out in the field with

Wolfenden & John Fitzpatrick (grad. student at
Princeton working on tyrannids in S. America) to
see their Scrub Jay study area & met many of their
jay friends. It was great (spent photos John).

LIDICKER
1977

April 21 cont.

Mostly talked for rest of pm. Saw not Terre Stalcup (also working on jays), David Worley (radio-tracking raccoons, student of Layne's at U.S.Fla.), Fred Lowder, & Wayne McDowell (limnologist from Bucknell U.). After lunch drove around Station with Jim Layne; talked to him until about 1600 then I left & returned to Miami. Drove E. on Fla. 70 to Okeechobee & then took US 441 along E side of lake to US 27. It got dark just as I was getting into interesting looking Everglades country in Broward Co. Visited 2SL at "Daystar" on Flamingo Rd. W. of Ft. Lauderdale, & then back to Key Biscayne.

April 22

About 1100 drove S. on US. 1 toward the Keys. Got as far as Windley Key before I turned around (1355). On way back continued N.E. on Key Largo to near N. end when toll bridge connects to new road to Florida City. Then back into heavy & slow traffic to Key Biscayne; arrived back ~ 1715. Went to visit 2SL at Daystar arriving ~ 1945 & staying until 2005.

April 23

Left Miami airport 0920 for Atlanta & then on to Augusta, Georgia, where I was met by Mike & Irene Smith. They drove me in a minivan to their home in Aiken, S. Carolina. Later that afternoon went to a wedding, the principals being two of technical staff at the Savannah River Ecology Laboratory.

LIDICKER
1977

April 23 cont

I started to get acquainted with many of the laboratory personnel at the following reception. Played ^{ping-pong -} tennis - every.

April 24

Went to picnic with Smith family (dad Mike W. - 18 yr. & Karen - 8 1/2 yr.), Neils _____ & wife (gentiologist for Univ. Stockholm) & Ramone Beckers (in charge of electroshockers lab at SREL & MA student of Jim Joule - Denver Univ. - worked on Penicillium). Picnic was at new State Park which is an old plantation owned by former editor of Time-Life & before that famous S. Carol. family including a governor & senator; & now a historical park. It is located near Beaufort Island. Continued our discussions at Mike's house - the evening.

April 25

Went into SREL with Mike & I got me started talking with his group - particularly Dave Folty (student of Phil Myers & R. Alexander, U. Mich) who is working on P. polionotus. We strolled lab by Tom Graham (works on heavy metals in fish). Went to lunch w/ J.B. Gentry at Dupont cafeteria on Plant. Afterwards J.B. drove me around to see some of his study areas (he is currently working on larva & adult biology) & other sights on the Plant - including the coal ash deposition areas - where is studying Cd accumulation in some insect systems. At about 1600 Mike Smith (son) & R. Beckers started out to drive to Columbia, S.C. Mike had given session there - evening & there was

LIDICKER
1977

Apr. 25 cont.

to be reception for Lou in the evening. Had dinner with Mike, Mike, Ramon, & Ed Lin (biochemist at the Univ. S.C. who is collaborating with Mike on studies of biochemical variation in Typha).

At the reception (at home of Ed & Jeannie Lin - originally from Hawaii) met: John Dean (assoc. with Marine Lab. & U.S. Coast.), Wally Dawson (genetics of Paronyxus), Syd Craig (DNA hybrid. - see working), who earlier had given me brief tour of Univ. campus), & Mike Feldman (biochem. & interested in ADH), & many others. Drove back to Aiken, arriving after midnight.

April 26

Mike & I headed for Athens, Georgia, & a visit to see Frank Golley & the Institute of Ecology, of which SREL is a part. Had lunch with Frank & Mike. Then toured the Inst., had long talk with Dick Weigert, & also two men from Forestry Dept. with Dr. Larry Marchington & Jim Jenkins. Later ran into Debbie Booring formerly at S.F. St. Univ. (student of Bob Brown's interest - watching Niobius cycles) & her grad. student of Bernie C. Patten - working in Okefenokee swamp. Had few beers with Mike & Weigert (John Avise did not show up), then a pizza, & we headed back for Aiken.

April 27

Went to lab where I worked on my seminar which I gave 11:00-12:10. After lunch at cafeteria, &

LIDICKER
1977

April 27 cont. Tow of the SREL's new building - almost finished, went out with Wilt (full) Gibbons - herpetologist (U. Alabama & Mich. State - students of Dr. Hensley).

Saw son of his study area & then went out on Park Pond (large reservoir used for cooling ~~hot~~ hot water effluent from nuclear reactors on Plant). At just a few casts we got 3 large large-mouth bass attracted to the area when hot water comes into the reservoir (turned the over to someone studying them was who already had caught ~30 by stocking - all to be released & released). Toured large section of reservoir along with Becky Sharitz who is studying thermal ecology of the 2 species of Typus that occur - the lake. Wilt took Mike & I back to Smith's home where we had dinner & cleaned bass for a get-together the evening (Ira left yesterday for a vacation on a beach). Talked all evening until after 2300. Then stayed long-^{with} until 0115. Others from SREL, ~~Wilt~~ I talked to: Don

~~Smith~~ Smith (thermal ecology of Gambusia, formerly at Univ. Montana where worked on bat flies with Lee Metzger, & knows Steve MacLean, ^{Eschrich} & others from Barrow, 1970), Paul Johns (works on deer & on S.R. Plant), Dave Nelson (thermal program, esp. development of amphibians & turtles), & Bob Nester (Mike's business manager).

April 28

Out to SREL with Mike. Drove to the cypress swamp area with him & Remone for short birding trip. Then to the "bathouse" for lunch, back to the lab.

LIDICKON

1977

Apr. 28 cont.

for changing clothes, & then Ramona took me to the
Argentina airport where I caught a flight at 1330
for Atlanta. Had to lay over about $1\frac{1}{2}$ hrs. -
Atlanta for getting non-stop flight to San Francisco
arriving 1810 Pacific time.

Birds seen in Florida: (April 17 - 23)

Pied B. Grouse

Brown Pelican

D. cr. Cormorant

Great White Heron - (~~between~~ Snake Creek between Windley
Key & Plantation Key - excellent look (photo taken); in
vicinity for comparison: 2 Am. Egrets, 3 Snowy Egrets, 1
La. Heron, & 2 Green Herons)

St. Blas Heron (not seen on keys)

Am. Egret

Snowy Egret

Reddish Egret

La. Heron

Little Blue Heron

Green Heron

Yellow-cr. Night Heron - ,

imm. Imm. Heron (N. end of Key Largo) - shot at close range:

red. ~~black~~ Heron - all gray brown (light), no streaks or
spots, legs & feet dark, & bill dark, large & slightly
decurved at tip; white or pale-yellow iris, reddish
brown crown, possibly with a crest, light ~~black~~ forehead,
about size of snowy egret but heavier build & bill

L. DICKEN
1977

Fla. bird list cont. (April 16 - 23)

large roosts. Could this be some form of reg. crowd
2-3000? 200?

White Ibis - 35+

Least Tern

Florida (mottled) Duck

Royal Tern

Shoveller

Rock Dove

Lesser Scaup

Mourning Dove

Red br. Merganser (Lat. Okeechobee)

Ground Dove

Turkey Vulture

Mangrove Cuckoo? (heard only)

Black Vulture

Shallow-tailed Kite - 2 (Alligator Ally)

Smooth-billed Ani - 2

Osprey

seen on separate

Blk-wt. Kite

occasions along roadside
downward to tree

Florida Gallinule

Smooth-billed sp.

Coot

Chach. hills. Widow

Semi-palmented Plover?

Winged Lark

Kildeer

Yel. sh. Flycatcher

Black-bellied Plover

Pileated Woodpecker - 1

Ruddy Turnstone

Red-banded Woodpecker

Willet

Downy Woodpecker - 1

Greater Yellow-legs

Gray Kingbird? - 1 (1 lg.

Least Sandpiper

flycatcher seen near St.

unident. jeep

White Heron, but did not
get good look at it
(crested Flycatcher)

Black-necked Silt

Tree Swallows

Herring Gull - all over

Barn Swallow

Ring-billed Gull - all over.

Blue Jay

Laughing Gull

Lidderon
1977

La. bird list cont (April 16-23)

Fl. Scrub Jay	meadowlark
Cow. Caw	Red-wing
Fish Caw	Boat-tailed Grackle
Tufted Titmouse	Purple Grackle
Mockingbird	Red-eyed Tanager
Loggerhead Shrike	Cardinal
Starling	
Prairie Warbler - 4+ (keys only)	
Yellowthroat	
Horn Sparrow	
total of 70 species.	

Birds seen ~ South Carolina (April 23-28):

Killdeer	Red-bellied Woodpecker
D. cr. Coward - 1	Greated Flycatcher
Green Heron - 3+	E. Kingbird - 1
Wood Duck - 1	Blue Jay
T. Vireo	Cow. Caw
Red. sh. Hawk - 1	Fish Caw
Bob-white - 1	Barn Swallow
Wild Turkey - 1 (S.R. Plant)	Cliff Swallow?
Coot	Purple Martin
Fl. Gull: mle - 1	Tufted Titmouse
Mourning Dove	Mockingbird
Chimney Swift	Brown Thrasher
Belted Kingfisher	Catbird
Yel. sh. Flicker	L. Shrike
Red-bellied Woodpecker	Robin

LODICKER
1977

South Carolina birds cont. (23-28 May)

Wood Thrush

Red-wing

Starling

Purple Finch

Red-eyed Vireo

T. meadowlark

W. + -eyed Vireo - 5+

Cardinal

Overbird

Blue Grosbeak - 2

Parula Warbler - 20+

R. eye. Towhee

Pine Warbler - 10+

Horn Sparrow

total = 48 species, including 18 species 20+ seen in
Florida for total of 88 species for the trip.

Alaska Trip

19 May - 27 May

May 19 - Left Oakland airport ~ 1230 over setting tide
to a boat from George Poinar (Ent. Dept.), who can
give me some cultural info for members who live in the
designed field of microfauna robotics. Used Airline to
Portland & then Seattle. Left Seattle 1605 on Alaska

Air ~ 1900 (Alaska time).

Arrived to Anchorage & then Fairbanks, Jerry & Maureen
Wolff met me at the airport, & we went to their
home in "Dogpatch", actually the home of Celia Hunter
& Dennis Wood. Talked & went to bed early.

May 20 - Went to Inst. of N. Forestry to autopsy
voles that Jerry had caught on his last two trips to
our study at Hess Creek. While waiting for them to clean
I called Jim Esse in Anchorage to arrange for Jerry
to be on the 27th. Also talked to Jerry, Anchorage.

LIDICKER
1977

May 20 cont.

Had lunch with Steve MacLean at the "Blue Martin". Continued processing, much of afternoon. About 1600 went over to visit with Gary Swartz briefly & then back home with Jerry & MacLean. Got our gear together for trip tomorrow to Lake Minchumina.

May 21 - Went to dust. ~ 8 a.m. & I worked on typing responses to various NSF grant proposals, reviewing manuscripts, etc. At 11:30 went to McDonald's for lunch & then MacLean took me to the airport. Got Alaska Central Air flight (one per week) to Lake Minchumina. Flight took about 50 min. Trees were rapidly leafing out - fronds but were - leafed out at Lake M. Rode plane with "Blacky" (Blackton) who runs hunting lodge at Lake M., but he was too drunk to get many details straight. Upon landing, we met "Kenny" who asked us where we were up to, & when we described the yellow-sawed route to him he took us ~ 2-3 1952 fishing traps about 1 mi. to the NW where the road ends at a US govt. relay sta. It soon ends - a circular clearing of several acres. He said these large blackish rolls were common in this area for the first time - the 36 years he has lived there. As soon as we got out of truck & looked around the building - the clearing we saw swarms of Microtus canadensis which their characteristic calls. We started setting traps as soon as we could thank Kenny & said let's back to the airport.

1500 - set 5 sets traps in Microtus and the building + 10 mrs. sk. - what should be smaller mammals

LIDICKER
1977

May 21 cont. - Lake Minchumina

in non open grass (presumably M. occidentalis).

1503 - caught 1 ad. ♂ Mx - one of the most drab.

Took our back packs and hiked down to the creek
to the north. Lots of Mx signs and.

1520-35: Set 10 not traps on N. side of creek - bird fence &
10 not traps on S. side in more black spruce forest - all Mx mounds.
When setting trap #4 in spruce I caught a ♀ Mx in not
trap #2 (infreq. the skin over vagina easily broken). This trap
was closer to the stream.

1545-55: Set 10 more not traps (5 ac.) on edge of spruce
forest (between trail & fence) - small spruce, lots of willow &
alder, rose, etc. & lots of Mx signs, roles calling, etc.

1600-1610: Set 15 mms. sp. (I set 10 & found 5) -
dry bird woods to the N. There was no Mx signs here, but
we wanted to sample that habitat. At the various Mx
mounds we noted cuttings of lowbush cranberry leaves, Ledum,
& grass.

1620 - Checked traps - gone. Caught 2 ad. Mx (1♂ + 1♀); the ♂
was too near when the other ♂ was taken. We decided to try to
trap all Mx ones of this isolated spruce forest - about $\frac{1}{4}$ acre.
So we set 7 more not traps & surveyed and were to find
extent of the Mx colony.

1650 - On the lake side edge of the clearing was a small group
knoll with some old Mx signs (prob. occidentalis) ^{+ possibly, canadensis, too}. Set
5 mms. Sp. here. Then we walked through the woods to the
east toward the lake. It was very amble, but we finally
came out on the lake shore & the walked S. along the lake.

LIDICKER
1977

May 21 cont. - Lake Michigan

We found the end of the runway & continued along the shore to a point where there was a small lake behind a gravel bar & directly opposite two tall & good trees on the airstrip.

1830 - Set 17 mrs. sp. (10 day & on 17) - grass & willows behind this small lake - some M. o. signs mostly old. Weather was mostly clear, cool, & beautiful. Mosquitos not bad except around our camp & main trapping area when they were pretty bad.

Cut through woods to airstrip & then walked along road back to clearing with relay sta. 1930 - Set 6 additional not traps in grassy area making total of 18 there. Total of 95 traps out. Checked 12 not traps previously set - grass & had 4 more M. x. - all ♀'s. In the 10 mrs. sp. grass traps had 1 ♀ M. x. & 1 spruce trap.

1950 - Checked 10 edge traps - 3 M. x all ♀'s

2000 - checked spruce & birch traps: spruce - 1 M. x ♀ - #2 trap. & ♀ Clethionomyces nitidus (all - M. x. nymphs & on - trap set by bushy conifer leaf cutting); birch - 3 M. x (1♂ + 2♀).

2115 - checked 15 mrs. sp. - birch - nothing.

2015 - 2115 - Set up camp & had dinner. We camped by the stream because we needed water, but the stream was the color of strong tea, & made strange foam when it made little waterfalls. We drank it anyway.

2130 - checked 5 mrs. sp. on grassy knoll - nothing. & some birch 18 + 10 grassed traps. Also nothing - edge traps.

2145 - checked spruce & birch forest lines again. Caught 1 ♂ M. x. - birch. 2200 - had trap go off in edge line &

LIOICICE

1877

May 21 cont. - Lake Minchumine

This was 1 more of M. x. Checked the artifacts of ~5 M. x with a camel's hair brush looking for marmots. Found only 1 marmot & placed it in a cotton vial for George Poinar (UCB). Head to head ~2200. Saw red squirrels, & fair amount of moose & rabbit sign during our long walk & lots of bird (see notes). M. x. extended most of the way down toward the lake, but mostly in the vicinity of the stream. We also walked through a grassy meadow along the stream and it had small amount of M. o. sign. Lots of carnivore scats - fox & lynx sizes: 1 fox - sized scat contained rabbit hair, & some Microtus hairs.

May 22 - Got up ~0700. - quiet pass of stream down over.

0715-0730: picked up traps and camp. Bird part - 2 M. x (1 ♂ & 1 ♀); Edge - M. x - 2 (1 ♂ & 1 ♀) - W22 - 1 (1 ♀) - 50W. Spruce forest & Mus St. line - only 1 snapper trap - null.

Packed up camp & hiked back to grassy clearing. Picked up all day's line (18 + 10 + 5); catch nothing (1 mus. sp. - grass was strong but contained few bird feathers). Hiked back to airstrip. Saw 1 Snowshoe hare - quite tame.

Started our pack in the woods & hiked down a sub-division runway, hiking to Lake Shore; then followed shore to north to our last trap line. Picked it up 1120 - ~~caught~~ catch nothing.

Total catch: C. richardsoni - 4 ~ mature spruce
M. xanthostoma ^{grasses} - 21

(grass: 2 ♂, 4 ♀; spruce: 2 ♀; birch: 3 ♂, 3 ♀;
edge: 2 ♂, 5 ♀).

Walked back to our pack near the runway, & had

LIDICER
1977

May 22 cont. - Lake Minchumia

a search for birds & started west (1200-1300). Then we walked 5 days lake shore to see an area we had too often seen & to look for M. x. sign. Passed Kenny's house & stopped to chat with him briefly. Then we continued Blackie's to the property of Jerry & Helen Forsack. We stopped to talk to them & they invited us for coffee. Bob & I found schoolteacher & his daughter who just graduated in biology from U. of Alaska. They are building attractive hexagonal cabin & already have a small log cabin to live in temporarily. We learned about their life in this community from them. However, they did not add anything meaningful to our knowledge of M. x. life history. We then took train airstrip ~~there~~ along woods trail. Again talked to Kenny who knew nothing new. Got to airstrip ^{Desired exactly twice fitting description of Zepos.} Falkenberg (w/ Ma. F. + 5.) just in time (~1715) to see Pat, ^{Falkenberg (w/ Ma. F. + 5.)} land in a 4-seated Cessna to pick us up. The flight back was about 1½ hr. & the only part was at about 1000 ft. elevation so we could see deer & classify the birds (in one case a pair of swans) on the numerous lakes, ponds, & rivers we flew over. Saw 2 moose & 1 bld. bear. Landed in Fairbanks about cost of flight each \$31 + 5% tip \$36, 1830. Went to Inst. N.F. to leave specimens, & MacLean picked us up to go home. Very tired, so to bed fairly early.

May 23 Up about 0730, & at 0900 Jerry & I started out for our study area at Bear Creek, on the pipeline haul road. We made good time & arrived in the area by noon. It was interesting to see the progression

L'DICKON

1977

May 23 cont. - Hess Creek.

of spring work behaved as we drove north. Around Fairbanks, the leaves of the deciduous trees are justly grown out & the trees have a definite greenish look.

Around Hess Creek, there is no green grass shoots & the deciduous trees are in bud only. Only the willows have catkins.

Set out our study grid 12:30-1:15 ^{+ 1 1/2 hr. for marking} We saw one Onocrotalus ~~xanthogaster~~ but found none. 1345 - Set 10 lg. Sh. on grassy knoll near grid; saw 1 M. occidentalis & found a winter nest of same, & small amount of sign. 1400 - Set 10 Sh. (5+5) on 2 grassy knolls at mile ^{width} 27.5. 1415-1435 - Set 10 Sh. & 20 no traps at mile 27 & M. x sign common here. Then at 27.8 mile, we set (1440-1515) snap traps on S. side of road (I set 12 sets ^{+ 1 1/2 hr. for marking} & 8 mrs. sp. = 20; Jerry set 15 sets). On first line just road (opposite ~ mile 28) set: Jerry - 10 Sh. & 10 mrs. sp.; I set 1 set & 19 mrs. sp. Jerry saw 2 M. x here. 1605-35 - Set assessment lines above (N) & below (S.) of grid. I set 10 Sh. & 10 mrs. sp. below grid with the latter starting ~ 22 m. from the grid edge (J-line). Jerry set 10 Sh. above the grid. On my way back to grid, I ~~had~~ heard my first mrs. sp. go off & found I had caught M. x of 1037. Also had saw. M. x & saw out so actively must be increasing at this time.

Then we went to the x-roads (miles ~ 28.5) where Jerry keeps an Inst. trailer. We borrowed a pickup from Alyeska & pulled the trailer up on to their

LIDICKER

1977

May 23 ^{cont.} - Hess Creek

strong sun to the S. when we parked the trailer (we have caught 2 sets strong sun last year) & returned the fishing.

1730-45 - checked live traps at 27 mi. + 27.5 mi. : 1 M. x ♂ at the first. Then checked grid traps. Returned to our camp for dinner & some time to write field notes.

2210-25: checked traps, all, at 27 mi. Set traps 1st: Jerry - M. x - 2 ♀ + 1 ♂ + 1 W.L. cr. Sparrow. 2nd - 1 M. x ♀, 2 C. rotundus notatus + 1 Juncos.

2230: live traps at 27.5 - 20 traps

2235-2240: set up traps at 27.8 mi. - Jerry: M. x - 1 ♂, 1 ♀; 2 Lut + M. x - 1 ♂ + 1 ♀ + 2 C. rotundus.

2245-2330 - checked grid traps & across road lines. Had 2 M. x (1 ♂, 1 ♀) - sun traps on S. side.

2330-45 - checked grid traps. 2 Lut M. x (2 ♂, 1 ♀), + 2 M. occidentalis (?) - 2 ♂. Jerry had 1 M. x (♀) + 2 C. rotundus. In his live traps he had 2 M. x which were released.

We got back to camp just before 2: daylight + got to sleep ~ 0025. Weather was mostly clear & cold. Mosquitos were thicker on S. - sheltered places & mainly in late afternoon. Sunset ~ 2300 was great with 360° of colored sky. It was still quite light when we went to bed, & it never did get dark.

May 24 - Rain during night turning to sleet & then the time we got up it was snowing beautifully. The car visitors were buried at least $\frac{1}{2}$ " - snow & it

LIDICKER

1977

May 24 cont. - Hess Creek.

Was slushy on the ground. Air temperature must have been around $36-38^{\circ}\text{F}$. After a quick cup of coffee we headed for our traps. 0730-0830 did the grid.

Nothing again in live traps at 27.5 mi. At 27 mi.

Picked up the live traps laying across the M.x., which Jerry had earlier injected with radioactive Zn to see if he could get the young teigre. There were 2 M.x., 200 pounces (1 - ♀ imp., red virgin, etc. & the other an ad. ♂). 0845-0905 : Picked up all traps at feed road side. I had 2 M.x. (1 ♂, 1 ♀). Jerry had 3 C.r. in slugs & 3 M.x. in live traps including 1 radioactive ♀ & 2 unmarked. We had earlier caught a third radioactive ♀ on the grid.

0930-1115 : Had breakfast & broke camp, towing the trailer back down the hill, again with an Alpena pickup. It stopped snowing when we were working on the grid earlier, & now occasionally showed signs of the sun breaking through the clouds.

1125-35 : Picked up 30 traps at 27 mi. : Jerry had M.x. - 2 ♂, 1 ♀, C.r. - 1 + 1 junco.

1140 - Picked up 10 slugs at 27.5 - nothing as before.

1145-1155 : Picked up 35 traps at 27.8 mi. Jerry had M.x. - 2 ♂, 2 ♀ + 1 C.r. - I had only 1 ♀ M.x. (Not on my list)

1200-1230 - grid assessment time. Picked up & then the grid from 1230-1320. Set traps S. of grid camped only 1

checked total 18 M.x. + 3 C.r. for my

gray jay which was released as it was caught by the ^{meantime} ^{2. M.x.}

Went back to trailer to pack away traps, took ^{but} ^{possibly} ^{meantime}

May 24 - visit

When picking up traps at 27.8 mi. I noticed a re-working
muskrat house (2 entrances & well-used runway) but I
had about a dozen cranberries stored around entrance.
They were mostly broken & gave the impression of a
little store being cleaned out & dumped at the
house entrances. They were bright red & not very
hydrated. No cranberries were seen otherwise on this
trip.

LIDICKER
1977

May 24 cont.

a few photos, & then drove back for Fairbanks (1355). Cloudy & got warmer & more spring-like as we drove back. Arrived ~ 1630. Unpacked at Inst., then Marven picked us up & took us home to "Dogpatch". Jerry & Marven got changed & went to a party. I made myself some dinner & caught up on field notes.

May 25 - Jerry & ^I went down to the inst. ^{n 0900} Talked to Ted Dryer & went on to IAB to see George West, also talked more with Stan MacLean. Walked back to IAF. Jerry & I started to autopsy on Hess Creek when about 11:30. About 12:30 went to Dairy Queen for quick lunch & back to autopsy. Finished ~ 1630. Marven picked us up in evening went to party, ^{at} Liz & Bill Berry's. It was a good-bye party for Celia Hunter who starts as Exec. Director of the Wilderness Society in Wash. D.C. in early June. Met Herb Matchion founder of San Diego S.A.U. & now functioning on road - Alaska - mostly on small mammals. Also talked to Fred Dean, Terry Viereck, etc. Liz has a great pottery studio & impressive work. Bill's stuff is great as usual.

May 26 - Jerry dropped me off at the entrance of the Univ. Arboretum where we were ~ 0830. I birded ~~for~~ until about 1130 getting back to the INF ~ 1145. We worked on the figures for our forst-woy paper on yellow-headed vireos at the AOU meetings.

L Dickson
1971

May 26 cont.

in East Lansing, and discussed the content of the paper. Walked in light rain to "Blue Martin" for lunch. Revised figures for Jerry's paper on marten-hare competition, & went over Jerry's PL & other ~~for~~ ~~for~~ to consider revisions for publication. Made a styrofoam lined box for carrying frozen specimens, & went to Comadia Dairy to buy 5 lbs of dry ice (\$1.25/lb.). Packed frozen specimens, mainly from Lake Minnetonka, for transport back to Berkeley. Went back to IAB to chat with Phil Gibson, new stopover in the Ft. W.S. Conf. Wildlife Unit. He will emphasize carnivores in his work while Dave Klein continues with ungulates. Encouraged Gibson to look into relation between M.x. & martens. Also talked to Dave Klein briefly. Maureen's parents had arrived during the afternoon from Granite Falls, Minn. We all went to dinner at the Tiki Cor restaurant. Back home, Maureen, her mother & I walked over to Fred & Sue Davis' home (also in Dogpatch) & visited with them. Saw Sue's pottery, studio - terrific. Also met their middle son who is also studying pottery. Visited also with Celia Hunter & Jessie Wood - in the small cabin that Jerry now lives in (in original f. 3). Cost to build \$315.

May 27 - Jerry drove me to the airport when we arrived at 0615. Light rain. Took 0700 flight to Anchorage arriving 0755. Met Jim Espe & he picked me up, & took me to his office. Chatted with

LIDICKX

1977

May 27 cont.

Lm + Arct. Johnson until about 11:30. Then down in time to the airport when I got ~ 12:00 flight to Seattle. About 2 hr. layover in Seattle. Flight to October ~ 1850 PDT. Arrived about 2035.

Bird list for Alaska - May 19-27

Lm = Lake Minchumina; F = Fairbanks; HC = Hess Creek

Arctic Loon - 2 (sev. others heard) Lm.

Red-necked Grebe - 1 Lm

Horned Puffin - 10+ Lm; 2 F

Whistling Swan - 5 Lm + 2 in the Muddy R. area (seen from the air)

Wh. fr. Grouse - 2 Lm

Snow & Blue Geese - 17+ Lm

Mallard - 25+ LM, +F

Pintail - 40+ LM, F, +HC

C.-w. Teal - 30+ LM; F 4+

B.-w. Teal - 1 ♂ F (Univ. Anchorage feed)

Black-necked - 35+ LM; 15 F; HC - 1 pr.

Shoveler - 1 pr. LM, 2 ♂ F

Redhead - 3 pr. LM

Canvasback - 15+ LM

Brant - 1 pr. F

Lesser Scaup - 40+ LM, 20+ F

Greater Scaup - probably close at LM but not definitely identified

Old-Squaw - 10+ LM

Simp.-Scaup - 20+ LM; 20+ F

Common Scoter - 1 ♀ LM

Sharp-tailed Hawk - 1 (rd. from HC.)

LIDICKER

1977

Bird list May 19-27 Cont.

Rough-legged Hawk - 2 HC were (1 lt. & 1 dk. phase)

Bald Eagle - 3 ad. & 1 imm. LM

Pigeon Hawk? - 1 imm. HC.

Sharp-shinned Hawk - 1 F

Ruffed Grouse - 5+ LM

Willow Ptarmigan - feathers, droppings & sign of winter feeding were
evident at 2m.

Sandpiper Crake - 3 F

Semipalmented Sandpiper ^{Plover} - 6 (incl. 2 nests w/ 3 eggs ea) LM + 2+ F

Black-tail. Phalarope - 2 F

Spotted Sandpiper - 1 LM, 3+ F

Lesser Yellowlegs - 30+ LM; 10+ F

Pectoral Sandpiper - 20+ LM

Board's Sandpiper - 2+ LM, 3 HC

Least Sandpiper - 10+ LM; 1 F

Semipalmented Sandpiper - 2 LM; 15+ F

Dowitcher - 10+ F

N. Phalarope - 1 Jr. F

Common Snipe - 2+ (also heard & saw winnowing); 1+ F

Long-tailed Jaeger - 15+ LM

Herring Gull - 1 LM

Ring-billed Gull - 25+ LM; 3+ F

Bonaparte's Gull - 3 LM

Arctic Tern - 8+ LM

* Hawk Owl - 1 HC

Yel.-streaked Flycatcher - 10+ LM, HC; F

Hammond's Flycatcher - 25+ F

LUDICKER
1977

Bird List 19-27 May cont.

W. Wood Pewee ? - 1 LM

Tree Swallow - $40 \pm$ LM; $25 \pm$ F

Violet-gr. Swallow - 1? HC; 1+ F

Cliff Swallow - $25 \pm$ F

Brown-backed Swallow (poorly Bk) - 1+ F

Gray Jay - $10 \pm$ HC; 8+ F

Com. Raven - $10 \pm$ LM; $10 \pm$ HC; 6+ F.

Blk-cap. Ch. chater - $5 \pm$ LM

Am. Robin - com. F, LM, HC.

Swanson's Thrush - $40 \pm$ F; $5 \pm$ LM, $12 \pm$ HC

Gray - chear Thrush - $5 \pm$ LM

Ruby cr. T. vogel - 1 LM, $10 \pm$ F.

* Bohemian Waxwing - 7 LM; 2 nr. HC; 10 F.

Orange cr. Warbler - 2+ F + 1? LM

Yellow Warbler - $20 \pm$ LM; $15 \pm$ F; 2+ HC

Myrtle Warbler - $10 \pm$ LM; 5+ HC; $15 \pm$ F.

N. Waterthrush - 5+ LM

Wilson's Warbler - 1 F + 1+ LM.

Rusty Blackbird - $20 \pm$ LM; 2 F.

Com. Redpoll - $10 \pm$ F; $5 \pm$ LM

Savannah Sparrow - 2 LM

Sl.-col. Junco - com. LM, F, HC.

Tree Sparrow - 2+ LM Wh. cr. Sparrow - com LM, HC, F

Fox Sparrow - com. F, LM, HC (1 nest w/ 4 eggs)

Lincoln's Sparrow - 1 singing ♂ LM

Total 70 species + sever. ? obs + pteromig. signs.

Two species were "life birds" = *

LIDICKER
1977

East Lansing Trip - with family

11 June - 12 July

June 11 - to Colfax, Calif., Dr. 1910

June 12 - Drove to Beatty, Nev. (Hank's Motel)

552 mi. from home.

Birds seen Reno to Tonopah:

Red-tailed Hawk - 2

W. Kingbird - 3+

Yellow-headed Blackbird - 15+

Horned Lark - 20+

Red-winged

.. - 50+

Cinnamon Teal - 2+

Brewers

.. - 20+

Shoveller - 1 pr.

W. Meadowlark - 2+

Gallinule? - 5+

B. bills Grosbeak - 10+

Eng. Sparrow

W.L. wt. Raven - 2

Starling - 1

T. Vulture - 2

Rock Dove

Killdeer - 1

Also at least 6 Ammodramphus leucurus were seen.

(W. of Tonopah car overhauled with subsequent loss

of power - blew diaphragm - fuel pump.)

June 13 - Beatty to Williams, Arizona (Thurston Motel)

369 mi. Spent considerable time at Las Vegas

trying to get car fixed, & eventually succeeded in
getting new fuel pump for an '68 Saab. (Rents at 710)
(S. 1st St.)

Birds seen Beatty, Nev. to ~~to~~ E. of Kingman,

Arizona:

House Sparrow

W.L. wt. Raven - 4

Phainopepla - 1 (Beatty) Swainson's Hawk? - 1

Spurred Hawk - 1

Prairie Falcon? - 1

L. DICKEN
1977

June 13 cont.

Desert Sparrow - 5 (nr. Boulder Dam) W. Meadowlark - ,
un. but Hummer (small, white belly)
Starling - 1 (Las Vegas) W. Kingbird
Rock Dove Burrowing Owl - 1 (E.
Morning Dove - 4 + of Kingman)
H. Lark - seen.

June 14 Williams, N. to Grand Canyon, east on
road to Canyon, then to Flagstaff & finally Gallup,
(2: a motel)
New Mex: co: 362 miles. Motor running on 3
cylinders until S of Canyon ^{when} we discovered one
spark plug lead was shorting out on block, ok after
that. Birds seen Williams to Laramie, Ariz:

Nighthawk - 2	Pinyon Jay
Mourning Dove	Plain Titmouse - 4
Wh. nk. Raven - 20 ±	Canyon Wren - 1 heard
Violet-gr. Swallow - 40 ±	W Meadowlark - 1 +
Wh.-necked Swift - 30 ±	Cowbird - 8 +
* Virginia Warbler - 1 (edge of Grand Canyon)	
mt. Bluebird - 2	Brewer's Blackbird - 2
W. Kingbird	House Sparrow

June 15

Gallup, N. Mex. to Texhoma, Okla. (Golden Spur motel)
473 mi. Overheating climbing out of Albuquerque; otherwise
car OK. Birds seen:

W. Kingbird	Starling
W. Meadowlark	Wh. nk. Raven - continued to see through Tex panhandle
House Sparrow	

L 201 C 200
1977

June 15 cont.

Swainson's Hawk - 1	Red-wing
Nighthawk - 1	H. Lark
Mourning Dove	Barn Swallow
Brewer's Blackbird	Loggerhead Shrike
T. Vulture	E. Kingbird? - 1 Tex. Parakeet

June 16 Tex-Low - Olla. to Cameron, Missouri

549 mi. Birds noted:

Brewing Owl - 3	Purple Grackle
Swainson's Hawk - 2	Robin
sev. modest. Hawks including 1 which looked like a large hawk falcon.	
T. Vulture	Baltimore Oriole - 2
Killed	Starling
Upland Plover - 1 (Kans. Turnpike)	Horn Sparrow
Red-headed Woodpecker - 2	Mourning Dove
W. Meadowlark	W. K. - bird
Red-wing	Black Phoebe
Scissor-tailed Flycatcher - 4	E. Blusing
Lark Bunting - 1 Jr.	Cowbird
Barn Swallow	Bob-white
Cliff Swallow	Night Hawk
Chimney Swift	G. Blue Heron - 1 (N/C)
E. Crow	

June 17 Cameron, Missouri to Milwaukee, Wisc. -

600 mi. Hit heavy rain storm and Chicago.
Went to home of Dave & Mary ~~and~~ Palmer - Milwaukee,
arrived about 2030. Birds noted during day:

LIDICKER
1977

June 17 cont.

Chimney Swift	Robin
Brown Thrasher - 1	House Sparrow
Cardinal	E. Cow
Starling	Snowy Hawk
G. & B. Heron - 3 (NL)	

June 18

Visited with Palmers; then NL & I flew to Lansing, Michigan (North Central Airlines), leaving Milwaukee 1650 & arriving 1855. Dan Christian picked us up at the airport & took us to the dormitories at Mich. State Univ.

June 19 - 23 American Society of Mammalogists

meeting - East Lansing. Naomi left early in the morning of the 23rd to drive to Chicago with the Bryan Glass's to see the King Tut exhibit at the Field Museum. I flew & back to Milwaukee in late afternoon. Naomi's brother (Hikaru) drove her to Milwaukee that evening arriving about midnight.

June 24

Visited with Palmers in Wauwatosa, got minor repairs (old power gear), on car, and visited Milwaukee Museum. Only birds of note: Cardinal, House Wren.

June 25 - Left with Palmers & I late morning, & headed N for their cabin on Lake Superior near Ontonagon, Michigan. Their cabin is a few miles W of Ontonagon, ~1 mi. past the Potato River. Arrived in time for dinner.

June 26 - 29 - Vacationed on Lake Superior.

LIDICKER
1977

Visited copper mine on abandoned, carved up the
Potato River, & next small River to west, etc.

Birds seen in this vicinity (25-28 June):

Common Loon - 1

Green Heron - 3

Belted Kingfisher - 1 hr.

Red br. Meadowlark - 2+

Sparrow Hawk - 1

unident. buteo - 1

Killdeer - 2+

Upland Plover - 1

Spotted Sandpiper - 10+ incl. imm.

Herring Gull - 6+

Cinnamon Tern - 1

Rock Dove - inc. Onontagon only

Mourning Dove? - 1

Nighthawk - 5+

Cliff Swallow - 50+

Rough-winged Swallow - 2+

Purple Martin - 6+ (N. Wisc.)

N. Raven - 2

Can. Cuckoo - 10+

B. c. Chickadee - 15+

House Wren - 1

Carolina - 3+

Robin - 30+

Wood Thrush - 6+

Chimney Swift - 10+

Ruby Th. Hummingbird - 2+

Yel. sh. Flycatcher - 15+

Red-headed Woodpecker - 1

Yel. bel. Sapsucker - 2

Downy Woodpecker - 2

E. Kingbird - 1+1 dead

Gated Flycatcher - 3+

Phoebe - 6+

Alder Flycatcher - 1

Least Flycatcher - 10+

E. Wood Pewee - 15+

Tree Swallow - 35+

Barn Swallow - 20+

Vireo - 30+

Cedar Waxwing - 10+

Starling - 10+

Red-eyed Vireo - 10+

Black & White Warbler - 5

Golden-winged Warbler - 1

Nashville Warbler - 1

Yellow Warbler - 1

Myrtle Warbler - 10+

Chestnut-sided Warbler - 2

LIDICKER

1977

June 25-29 bird list cont.

Orn. Bird - 15±

Corn. Grouse - 10±

Yellowthroat - 2+

Cowbird - 10+

Carolina Wren - 1+

Roe-b. Grosbeak - 4+

Am. Redstart - 40+

Purple Finch - 4

Horn Sparrow - Ontario as

Am. Goldfinch - 10±

E. Meadowlark - 1

Chipping Sparrow - 10+

Red-wing - 12±

Whist.-throated Sparrow - 3

Baltimore Oriole - 4+

Song Sparrow - 15±

Total of 64 species.

June 29 cont. - Left Palms at 1740, took ~~lunch~~ ^{much} 64 west +
smo. to Bayfield ~~lunch~~ ^{much} 28 + Washfield + US 2 to
Duluth, Minn. Stopped for ^{eyes} dinner in Superior, Wis.

Took dinner on (distance 35) to Hinckley, Minn. before
= 247 miles for day.

stopping for the night, Birds seen from Palms to
Duluth (when it got dark):

Whistling Swan - 5 ad + 2 imm. }

Wood Duck - 1 }

Kingfisher - 2 }

Am. Goldfinch - 2+

E. Kingbird - 5+

Cliff Swallow - ++

Robin

Barn Swallow - ++

E. Bluebird? - 1 (JL)

Yellow Warbler - 1

Tulipian - 3+

Upland Plover? - 1 (NL)

Herring Gull - 2+

Red-wing

Corn. Cow - 15±

Corn. Grouse

Nighthawk - 1

Starling

N. Raven - 1

Horn Sparrow

LIDICKEN

1977

Jun 30 - Drove into St. Paul, & visited neighborhoods in which I used to live. Went to St. Paul campus of Univ. of Minn. & afterward looked up Peter Jordan - wildlife, fisheries & entomol. dept. Then went to Minneapolis campus & Bell Museum where we visited Elmer Birney. Also saw Bill Tordoff & Ken Corbin. Then we went to Lake Nokomis where we went for a swim (almost 18°). Although it was chilly, it seemed warm & after Lake Superior. Also watched a half dozen Black-crowned Night Herons fishing on the lake - by flying over deep water & swooping, fish while on the wing. Legs dangled into the water occasionally, & several successes were observed. None of the herons were seen to land while we watched. Briefly visited Minnehaha Falls, & then had dinner before proceeding to Bloomington where we visited with Darken & John Butler. (2000 to ~2230). Then we drove SW on US 169 to Belle Plaine where we stopped for the night (Belle Plaine motel).

On 170 miles traveled this day. Birds noted today:

Robin	Sparrow Hawk
Black & White Warbler	Can. Grackle
Yellow-sh. Flicker	Starling, House Sparrow
Red-eyed Vireo	Mourning Dove
Catbird	Barn Swallow
Green Heron - 1	Tern Swallow
Gt. Blue Heron - 1	Night Lark
Black-crowned Night Heron - 6+ (Lake Nokomis)	

LIDICKER
1977

July 1 Belle Plaine, Minn. to Sioux City, Iowa via

US 169, Minn., & Iowa 60. Then US 77 to Lincoln, Nebraska, & Interstate 80 to Kearney, 499 miles.

Birds noted:

(Shady Lane Motel);

Barn Swallow

Dickcissel - com. - Neb

Robin

Bobolink - 1 (nr. ⁵ Sioux City, Neb.)

Horn Sparrow

Cliff Swallow

Starling

Blk. cr. Nt. Heron - 1 (Minn.)

Mountain Dove

Sparrow Hawk - serv.

W. Meadowlark

Franklin's Gull - 35+

E. Kingbird - many

Cliffy Swift

W. Kingbird - 1

Red-wing

Killdeer

Nighthawk - 1+

Pheasant - 1

July 2 Kearney, Neb. to Boulder, Colorado; 484 mi.

Birds noted Kearney to Neb.-Colo. line on Interstate 76:

M. Dove

Cliffy Swift - 1

Can. Grackle

Killdeer

Starling

Yel. st. Flicker - 1

Robin

Red-bellied Woodpecker - 3+

W. Meadowlark

Common Tern - 2

Horn Sparrow

Barn Swallow

Unident. buter - 2

Cliff Swallow

Sawson's Hawk - 2+

Tern Swallow? - serv.

Upland Plover - 2

Prairie Chicken? - 1

♀ Oriole - 1

Also a coyote was seen between N. Platte & Ogallala,

July 2 cont.

+ 2 buffalos were noted in a pen + 1 free with cattle.

From state line to Boulder noted:

Swanson's Hawk - 1

W. Kingbird

Franklin's Gull - 1

E. Kingbird

resident. Hawk - 1

Starling

Barn Swallow - +

W. Meadowlark

Gt. Bl. Heron - 2

Horn Sparrow

Avocet - 15+

Red-wing

resident duck - 1 (prob. Cinnamon Teal) M. Dove.

Took Denver State 76 + US 6 to Col. 7 to Boulder.

Stayed at home of Gen. & Mrs. H. J. Smith.

July 3 - Visited Sally Tenny (Tenny tunnels) between
Golden & Arvada. Then (about noon) headed for Morrison
+ got on US 285 heading SW. Roiled over going up to
Kenosha Pass (10,000 ft.). Then US 50 to Gunnison.
Roiled over only once climbing to Monarch Pass (11,392 ft.).
At Gunnison turned N on Col. 135 to Crested Butte
+ then on 8.4 mi. to Gothic = Rocky Mt. Biological
Laboratory (9500 ft.). Arrived ~ 1945 (162 miles today).

Birds noted from Boulder to Gunnison:

Blk Mt. Magpie -

Brewer's Blackbird

Steller's Jay

Red sh. Flicker

Turkey Vulture

Red-wing

W. Meadowlark

Robin

Red-tailed Hawk - 2

Plow st. (prob. Mt. Plover) - 1

resident. lg. Falcon

Barn Swallow

Gull sp. ?

Cliff Swallow

LIDICKER
1977

July 3 cont.

~~Frank~~ Night gr. Swallow - 1+

Mallard - 1 ♀

Broad-tailed Hummingbird

Talked with Dave & Ann Armstrong before moving into
our cabin & then with John Holden.

July 4 - Worked on lectures for course in Adv. Topics
in Pop. Biol. Went to Crested Butte for Independence
Day Parade, etc. Returned in afternoon & worked more on
lectures. ~~At~~ Dinner at Holden's cabin in eve. (with Paul &
Anne ^{Elaine} Elmer)

July 5 - Classes 1-5 pm. & evening lecture to
entire lab. After party at Elmer's

July 6 - class 8-12 & 1-5. Extended over - S.
Gothic (S. of Copper Creek) for possible trapping sites.

July 7 - Went to Lake Merdian on N. of Crested Butte
in snow on way to Craig Holden's cabin fish.

After lunch explored with Jeff the slopes of Mt. Gothic
on W. side of East River, especially looking for
mice-tracks - ~~gn.~~ Due to the low snow cover last winter
small mammal populations are very low, esp. Microtus.

Hibernators such as Erethizon dorsatum & Callospermophilus
lateralis are abundant, however, & so is Zapus, according
to Dave Armstrong. We found a few winter nests of
Microtus, & just a few instances of cutting. From

1615-1810 Jeff & I set out traps W of the East River.

We set 22 lg. Sherman's - very good for Microtus.

The 8 were in more open brush growth further up the
slope. Finally we set 15 Mrs. Specials along the

LIDICKER

1977

July 7 cont.

edge of willow thickets. Total of 45 traps. ^{Live traps baited w/} ^{dry oatmeal; snap} ^{trap peanut butter}

July 8 - Checked traps after breakfast (~ 0745)

Live traps: M. m. m - 1 (W2L # 3553)

Peromyscus maniculatus - 2 in brush grass (released)

Snap traps: Jeffs 5 - Eutamias minimus - 1 (W2L # 3566)

Peromyscus maniculatus - 1

W2L 10 - Sorex cinereus - 1 (W2L # 3551)

Clathromys - 1 (W2L # 3552)

P. maniculatus - 3

Total catch = 10 Skinned the Sorex and Clathromys

With some members of the class looking on. After lunch, got blood & tissue samples from the Micromys using this & demarcation to 4 members of the class. Then had them weigh, measure, & autopsied the 4 dead P. maniculatus as class exercise, & turned specimens & data over to Bob Melton (member of class) from U. Chicago who is doing a special project on Peromyscus.

1530 - 1800 With Jeff, Ken, & Craig Holden went out on trapline. Reset 22 by Shinn's - heavy grass. Set 2 mns. spec. - large root mass nearby, 3 for water holes along a small stream, & 3 more in second large root mass. Picked up 8 by Shinn's - in brush grass; 1 trap held a Eutamias minimus; remaining 7 reset in nearby meadow which had a little better cover & a few cuttings were found.

Of 15 snap traps along willows, reset 5 of mns (caught 1 P. maniculatus), picked up 5, & reset 5 of Jeffs (they contained 2 Eutamias minimus & 1 subad. M. m. m)

LIDICKER
1977

July 8 cont.

longicaudus (W2C #3559). Set 5 additional mrs. spec. in the willow thickets & 5 in spruce forest. Finally the boys set 3 mrs. spec. along the edge of a beaver pond for water shrews. These additional 5 animals caught gave total of 15 for the day. Then Jeff, Ken, & I went 5 & set 10 mrs. spec. (peanut butter bait) in heavy willow thickets along the S. side of Copper Creek (just W. of the bridge). Finally we set 10 mrs. spec. along the top of a ridge in S. Gothic (up the slope to the east above an old corral) which had sage brush scattered along it, ^{+ many 1/2 grown sprts.} I thought this might be a place to catch a Peromyscus. This gave total of 80 traps out (29 Shrews & 51 mrs. spec.).

July 9 Picked up all traps after breakfast (starting 0745).

Sagebrush ridge - P. maniculatus - 2

Willows along Copper Creek - P. maniculatus - 4

Erethizon minimus - 1 (no. 3561)

Zapus - 1 (still very alive; W2C #3555)

22 live traps = Erethizon minimus - 2 (released)

Microtus montanus - 1 (W2C #3558)

Zapus - 1 (W2C #3557)

Microtus longicaudus - 1 (W2C #3554).

This last was dead - the trap - 1 of 2 live traps set separately from the rest in one little very large log, etc.

3 water shrew sets along stream - E. minimus - 1 (W2C #3564)
& other 2 trap were sprung

15 traps in + on edge of willows - P. maniculatus - 2

Additional mammals seen and listed included

mule deer - 2

Mustela flaviventris - 1

Martes americana - 1 caught in live trap by others

Ondatra zibethica - 1 (Meridian Lake)

LIDICKER
1977

July 9 cont.

Clethrionomys - 2 (#3562 + 3563)

Other trap groups caught nothing. This gave total of 18 animals caught for day or 33 for both days.

Gave skinning demonstration for 2 members of the class (we #3554). Then N.L. + I skinned 4 live animals for blood + tissues. After lunch, skinned 3 more animals (#3553, 3559, 3580). Naomi + the boys did most of the chipmunk, I only sewed it up + pinned it out.

At 1515 left with John + Cos., Holden + Kelly (their "boy sitters") in 2 cars to go to Emerald Lake (~10,500 ft) up road toward Schoolhouse Pass. John + the boys fished (John caught 1 nice rainbow trout). Went into Crested Butte (14000) for dinner (Soups on) with Holden's, Ehrlichs, + Bill Baker + wife (Bill is now chair of Zoology at Univ. of Utah + formerly was at Univ. of Chicago). Got back ~ 2330.

July 10 - After brunch, packed up + left the lab at 1415. Birds seen - Gothic + vicinity 3-10 July (actually Gunnison to Gunnison) :

* Ferruginous Hawk - 1 (dh phone)

Sparrow Hawk - sru.

Rufous Hummingbird - 3 sp.

Killdeer

Red-sh. Flicker - com.

Upstart Plover - 1 (near Gunnison) Yel. bell. Sapsucker - com.

Common Snipe - 1

Alder Flycatcher - 2 sp. +
2 nests +, 200y

Spotted Sandpiper - com.

Mourning Dove - (Gunnison area only) W. Wood Pecker

Broad-tailed Hummingbird - com.

Olive-sided Flycatcher -
2+

LIDICKER
1977

3-10 July bird list cont.

V.-gr. Swallow - 10+	R. cr. Tanager - 5+
Tower Swallow - 60+	Walking Vireo - 4
Barn Swallow - com.	Yellow Warbler - com.
Cliff Swallow - com.	Ardenber's Warbler - 10+
Gray Jay	MacGillivray's Warbler - 2 (willow thickets)
Steller's Jay	Wilson's Warbler - 1
Blk-billed Magpie (Gunnison area only)	
Com. Raven	W. Meadowlark (Gunnison area only)
Black-capped Chickadee - 6+	Brewer's Blackbird (")
Mt. Chickadee - 4+	Red wing (")
Red br. Nuthatch - 1	Brown-headed Cowbird - 1 ♀
Dipper - 1+	W. Tanager - 3+
Robin - com.	Blk-headed Grosbeak - 1 ♂
Swainson's Thrush - seen by voice	Lazuli Bunting - 1 ♀
Hermit Thrush - 1 seen by NIL	Cassin's Finch - com.
W. Bluebird - 1 ♀ w/ buffy breast and Gothic & many eggs.	
Mt. Bluebird - seen at Lake Meadian & probably most of those	
Pine Grosbeak - 1 ♂ as above	Junco (formerly Gray- headed) - 2+
Pine Siskin - com.	
Am Goldfinch - seen, heard	Chipping Sparrow - 2+
Green-tailed Towhee - 1	White-r. Sparrow - abundant
Vesper Sparrow - 1	Lincoln's Sparrow - com.

(after buying dry ice)
From Gunnison down W on US 50. Detoured on
Colo 347 to visit Black Canyon of the Gunnison Nat'l
Monument (car stalled over once ~~so~~ climbing up to it).
Continued on to Grand Junction where we spent the
night. Total of 187 m. driven today.



L'DICKEN
1977

July 10 cont.

Birds noted Gunnison to Montrose, Col.:

Red-wing

W. Tanager - 1♂

Brewer Blackbird

W. or Cassin's Kingbird

V.-green Swallow

Starling (nr. Montrose)

Barn Swallow

M. Dove

Wh.-thro. Swift.

Robin

Green-tailed Towhee

Montrose to Grand Jet.:

M. Dove

Nighthawk

lots of P. f. swallows hazeens seen.

July 11

Took Interstate 70 from Grand Jet. to Saline, Utah. Then Utah 26 to Delta with detour via Fillmore & Utah 100; US 50 to Ely, where we had dinner, & then US 6 to Tonopah. As there were no motels between Ely & Tonopah, & all were full in Tonopah (due to hotel), we went to Miller's Rest stop 12 mi. W of town on US 6-95 & camped for the night. It was now midnight by the time we got camped. Total miles for day 655! Between Ely & Tonopah saw lots of Dipodomys on the road & some other rodents & also many lizards & cottontails.

July 12 Left Rest stop at 0650 & continued W. on US 6. Had breakfast at Coalville, in Benton, Calif., switched to Calif 120 & continued into Yosemite Natl. Park. Birds noted from campsite to Sierra Nevada:

Eg. Sparrow

Mourning Dove

Harmon Lark

Brewer Blackbird

LIDICKER
1977

July 12 cont.

Cassins Kingbird

White-necked Raven

Had lunch near Tioga meadows. Drove thru Yosemite Valley & then back onto Calif. 120. Had dinner at Moccasin. Birds noted in the Sierra:

Stellers Jay

Green-tailed Towhee? - 1

Calif. Bullock

Robin

Pine Grosbeak - 1♂

Brewers Blackbird

Mt. Chickadee

Anderson Warbler - 1

Cassin's Finch

Continued on Calif. 120 to Manteca & beyond,
& then Interstate 5, 205 & 580 to the Bay Area.

Driving home ~ 2245. Total of 397 miles for day.

Total miles for trip = 6197.

LIDICKER
1978

Alaska Trip

19-24 May

May 19 - Left S.F. airport on United flight 0930 for Seattle; ~1115. After waiting until 1345 for Alaska Air flight to Fairbanks, it was cancelled due to weather & had to scramble for space on other flights. Finally, status for Alaska flight at 1400 failed, but then at last around 2 got on a Western flight to Anchorage, leaving 1430 (actually left 1500). In Anchorage, managed to find space on a Wien's flight to Fairbanks leaving 1815 (1615 PT). Tried to call Jerry at Inst. N. Faculty from Anchorage but failed to get him. Arrived Fairbanks 1930, & Jerry Wolff was there to meet me. We stopped by Inst. where I called Bob Bowen regarding the thesis. Then we went to Bob & Judy Weeden's house to visit with Charlie Kuebs who was in town briefly to give a seminar (missed it at 1530). Also, talked to Dave Klein & Gary & Peggy Swartz. Judy Weeden is former classmate of Kuebs at UCB, & also taught Conf. Anth. & Rel. for many years at U. of Alaska. Stayed at Jerry's apartment in town.

May 20 - Packed up for trip to Hess Creek, & left ~1030. Partly cloudy. Spring is now advanced than 1 year ago, with birches & aspens almost fully leafed out. As we drove north, development was more scattered around Hess Creek, but wood on first beginning to

LIDICKER
1978

May 20 cont.

Left out, there's almost no sign of new grass growth, & some still frost on ground. Mod. wind. Set out grid traps 1330-1440. Did not hear any noct. jabs. Jerry set 3 exam traps on ridge off SW corner of grid. Before we traps we had caught ♀ 1279 at this SW ridge. Set 5 traps and each of the ridges at the "27 mi. site" at 1445-1500. Jerry had marked ridge at these ridges last fall. At 27.8 mi., we set 10 mrs. traps (5ea) - the road & edge of growing ~~toad~~ toad (1500-1515). Then - the lower end of the grid (N. side of road) we set 5 mrs. traps and a trapline which we dry up. We found large volumes of old traps set, some of which had considerable ice in it, & some of which was sitting right on frozen ground. We also found a newly made nest of dry grass. No cache was found. Lastly, we set 10 mrs. Pt. (5ea) along the road to our camp at the Alyeska supply dump where we have camped before. We moved the trailer Jerry had left along the supply road up to the top of the hill. We got into camp just in time for a rain storm which we partly slept through until 1800.

On drive from Fairbanks to Hess Creek, saw two sandhill cranes along side the road.

1930 - Started out to check traps. Still raining off & on until about 2000. Had a good look at a Hawk Owl before leaving camp. Left grid until last. Camp now

LIDICKER
1978

May 20 cont

traps - 1 M. ♂, 5 traps: down E of grid - avg 1 sprng trap. At 27.8 in. had 2 M. (♀♂) + 1 Clethr. milt.. At 27 in. traps had 2 M. and each 2 in. hole.

After checking grid traps, set unmarked lines S + N of grid, 5 traps (Shawars) each. Lots of M. signs especially S. of grid. Walked back to end along W. side of grid & M. sign is present throughout the time even, although perhaps not as dense as near the creek bottoms. Some rocks large, collage & sand to be close of activity. Found another set down road which was almost entirely full of holes of M.. We didn't walk too much or grid properly because the rain suspended activity. Back in camp we could hear barking of snake way off - the Hess Creek bottoms below camp. Got to bed by 2145 even though the sun was shining.

May 21 - Ran grid 0700-0800; ~~first~~ checked out of J-line & back to camp ~ 0900 for breakfast. Weather sunny & cool; ground & surface water frozen.

Picked up 3 live traps & set midline off grid. At 27.8 in. - caught 2 M. C.r. At 27.5 (down N. side) got 1 M. ♀, + at trap along camp road, I got 1 ♂ & 1 ♀ M. in my line of 5 trap. The S. current line off the grid extends for ~ 25 m. from J-line. Marked M. was taken: 4 ± trap but not the farther one.

After breakfast we drove to when Hess Creek crosses road (mi. 24). I set out to take road

LIDICKER
1978

May 21 cont.

This even + walk back to the grid (mi 28). Jerry drove on into Livergood to get some oatmeal as we had none as of last. I birded around the Hess Creek bottoms + walked back to between mi 25 + 26 before Jerry got back + picked me up (12:15). We ~~had~~ checked traps on our way back. Got 1 ♀ from 27.8 + ♂ 27.9 1 ♂ Mx + 1 ♂ Cr. Working along compound. While I checked grid traps, Jerry set additional permanent lines around the grid so we now have 7 on the East side (parallel to line 10 + 30 yds away); 8 on West side, 5 additional trap lines on S. side for total of 10 + 5 more. Species set 30-50 m. away from grid; and on N. side - 50-60 m. from grid for total of 7 + 5 m.s. Spac at least 50 m. from grid + extending to the road.

Back for lunch at 14:00. At 15:50 we headed out again. Jerry checked grid while I reset the entire grid, moving trap lines every trap + checking bait etc. Jerry ran around line + also on trapline at 27.8 + 27.9 m.s. Caught 1 hst Mx ♂ + 1 ♂ Cr on N. permanent trap line. Also got 2 ♂ Mx at 27.9 trap. After dinner we headed for the traps ~ 1945. Checked traps + set trap first. I moved all 5 of them to new locations. Jerry moved 4/5 1 trap + caught 1 ♂ Mx. At 27.8, Jerry had 1 Cr + 1 White-crowned Sparrow; moved 3 of his 5 traps. I moved all 5 of mine. Then we went to 27.9 m.s. site, + back to grid. The grid was

LIDICKER
1978

May 21 cont.

done about 2000 to 2100. Lastly, we checked the 5 traps
at 27.92... - 1 we thought he caught none. Caught
one m. x. ^{snaps} ~~in~~ ⁱⁿ ~~around~~ his set with N + S of grid.

On 12 M. x. for N. mount his was marked.

Weather - sunny & relatively warm with sl. to cool.

wind. Watched sun go down ~ 2300, ^{and to bed} ~~lighting to~~
^{Hand owl.}

May 22 - It doesn't really get dark between sunset
& sunrise about 0300, & one car and a searchlight without
additional light. Started out for trapline 0650.

Picked up all traps. Got back to camp for breakfast
0900. Good again this morning but not as
damp as yesterday. The night was definitely warm, &
there is also more snow: does not today. The were

about as many as in July, but they are the large, slow-
moving kind which are not very bothersome. Packed up
camp, hauled the trailer down to the foot of the
east road, & then went to just ~~past~~ east of the
grid area where we dug up a M. x. mound which was
built among the roots of a clump of willows. It
contained a large nest, dry but not obviously newly
built at a large ($\frac{1}{4}$ bushel) hidden chamber.

The nest contained about 3 pints of wet & soggy
Equisetum which was apparently all the
remnant of winter stores. Both sand & willow
were excavated among roots & buried small logs, so
were well-protected. Then we dug up a few additional
superficial buried systems in the first, and

LIDICKER
1978

May 22 cont.

additional nests or middens. About 11:00, we headed for fast foods. Stopped at Liverpool for sandwich at Sam's. They had ham & cheese for \$3.95 or cheese & ham for \$3.50, but as they were all out of ham, we had cheese sandwiches for \$1.80.

Birds seen around Hess Creek:

G.W. Teal - 3 + ♂♂

Marsh Hawk - 1 ♂ (on way up to Hess Ct.)

SL-sha. Hawk - 1 ♀

Least Sandpiper - 1

Lesser Yellowlegs - 1

Shrike - 3 + (1 juv. watched near Hess Ct.; the ♂ was now ♀, he raised the feathers on back & tail somewhat vertically. After awhile he took off & started wingwing,)

Hawk Owl - 1 + (1 seen: ♂ ♂ & ♀ seen on camp for 1 hr. + (2315-2345) + called intermittently; call sounds like of Screech Owl but louder & a little less wavering); also found a pellet on our grid work by (it seems likely to from this species).

Flicker - 10 ±

Horned Lark - 3

V. gr. Swallow - 30 ±

Tree Swallow - 20 ±

Gray Jay - 8 ±

Common Raven - 5 ±

Boreal Chchdr - 10 ±

Robin - 25 ±

2

LIDICKER
1978

May 22 cont.

Myiochanes sp. - heard only \cong Swainson's Thrush

R. cr. Kingbird - 5 \pm

Westr. P. j. - 1

Yellow-rumped Warbler - 6 \pm

Rusty Blackbird - 1 Ad. +

Fox Sparrow - 20 \pm

WL. or. Sparrow - 20 \pm

Lincoln's Sparrow - 1

Savannah Sp. - 1? (heard only - goes day camp rd.)

Got back to Fort Verde - time to get busy by
saw ad spring in big back
bushes and prairies on M.X. The Clethronomys were
frozen for being to use in feeding. These totalled 10
as follows: S. arizonae lives - 4
N. " " - 2
27.8 L. side - 4

One additional individual was noted as dead - - common
sp. Went to Jerry's apartment to work up, & then
had dinner with Marwan at the Tiki Cove
restaurant.

May 23

After breakfast, Jerry & I went to the distribution of
N. For. Sp. I finished cataloging the roles. Then
Jerry & worked on our paper reporting on their life
history. After lunch we worked on our data, getting
ready meeting for us to give a paper on ~~the~~ this work
in Brno next month. At 1630 I went to the other
end of campus to visit with Phil Gibson & met

LIDICKER

1978

May 23 cont.

Wayne Hanson of Los Eberhardt from Los Alamos lab - N. Mex. who works on the N slope (one of Pribon Bay) on foxes, shorebirds, small mammals, etc. Then took bus to George West & Sam MacLean. Burk & Wolff's van maneuvered around dinner for us. & Captain also met John Fox who is theoretical ecologist from Univ. of Wyoming & Univ. of Chicago & was on staff at Univ. of Alaska.

May 24

Other birds seen and Furbanks:

Herring Gull - 1+

new Gull - 1+

Swainson's Thrush - many heard

Howard's Flycatcher - 5+ heard only

Baldpate - 1+

Cliff Swallow - 10+

Had breakfast with Jenny & Marlene. Went to INF where we got some frozen materials together for me to take back to the Bay Area. Called Don Calkins in Anchorage to talk about our sea lion paper (missed him on first try, but he called me back later). Talked with Ted Dryness, Director of INF. Went to Inst. Marine Sci. to look for Bud Fay; he wasn't in so left him a message. Also met briefly Doug Bergallay and Jenny's friend Joanne at IAB. Drove up Fairbanks about ~10:00 & left on Alaska Airlines flight at 10:30. Stopped in Anchorage for ~40 min. then on to Seattle. Arr. Oakland ~2015. Retrieved luggage by 2100 & took BART home.

LIDICKER
1978

European Trip

12 June - July 11

June 12 - Left for Atlanta, Georgia to attend ASM meetings in Atlanta, Ga. Went with Payne Pearson. Ed Stoen, Trustee of Soc. met us at the airport & drove us to Atlanta in his small car.

June 13-17 ASM meetings. On 17/12, Dave Krohn drove me to Atlanta about 1645. Got plane at 1900 for NYC.

June 18-19 Visited relative - N.Y. On 19th, scheduled to leave for Frankfurt at 1945. Plane was delayed however until 2335. This got me into Frankfurt 4 hrs late so I missed my connecting flight to Prague. As it turned out, ~~the~~ the connecting flight was cancelled anyway because the President of Libya was visiting Czechoslovakia & so the Prague airport was closed all morning. Thus Naomi was still in ~~Prague~~ Frankfurt when I arrived, & we left together on a Czech Airlines flight ~ 1600. We finally checked into the International Hotel - Brno ~ 2030, too late to attend the opening ceremony of the ~~II~~ ~~International~~ Theological Congress.

June 20-27 ITC Congress - Brno.

June 28 Left on Post-congress tour of S. ~~Prague~~ Bohemia.

Highlights: Telč castle, and - Jindřichův Hradec, Třebon (especially the library), Česká Budějovice (afternoon snack). Zvíkov castle in Zvíkovské Podhradí (just S of confluence of Otava & Vltava rivers).

June 29 - Went SW to Šeběstar & the

L'DICKEN
1978

June 29 cont

Veselí n. L. to Lesnické Myslivecté + Rybáře
muzením (+ zoopark) = Zámeček Hradčany (with
stocks not) on way). Lounice + Líšov to Hluboké
Castle in Hluboké on the Vltava R. + back to Hotel
Zvíkov.

June 30 ~~cont~~ Left hotel early for Prague via Čimelice
+ Dabříš. Dr. + Mrs. Sokolov left the tour that day
by car as to catch a plane ~1000 from Prague to
Moscow. After checking into the Alcron Hotel
+ having lunch at the pub (The Chalice) which is famous
as the setting for the stabs of the Prd. Schweik novel,
we toured Prague Castle + were returning to the hotel
in mid afternoon. The rest of the Russians then went
to the airport to go to Moscow. This left only 11 on
our tour plus our guide "Tom". Went to outdoor concert
in evening with Tony + Jane Lee, Pat Woolley, + William
Lopez-Forrest, Don + Helen Hoffmister + Tiro Kikkawa,
(remaining member of group was Dr. + Mrs. Nishiwaki)

July 1 Continued tour visiting Konopiste Castle

near Benešov, Slapy Lake + Dam + via Zbraslav
to Karlstein Castle + finally briefly to Lidice,
before returning to Hotel Alcron - Prague. + evening
went to theater with Lee's, Woolley, Lopez-Forrest +
Kikkawa + with guide Tom. Saw May Taylor + Bill Camp
+ Kathy Kemper at Hotel.

July 2 ~~T~~^{our} officially ended after breakfast. Wally
and I began with Lee's until ~1400. Nishiwaki +
Kikkawa left early in pm; Hoffmisters left last evening.

LICKER
1978

July 2 cont.

~ 2200 to take overnight train to Vienna. Met Jacob
Wahlman & Uri Ritter in old town square. At 1454
left on train for Vienna. Traveled w/ Wm Lopez -
Fornet & Gordon & Carol Kirkland (the latter had been
on the High Tatras tour). Br. in Wien 2100 when
Dick Soren net us with his rented car & we drove to
Stadion Hotel.

July 3

Wandered around Vienna for couple of hours, then
checked out of hotel & drove to Laxenburg where
we visited Ray Hilborn (wife Ulrika, son Stephen)
at IUSZA. After lunch with Ray, the 3 of us
left to drive to Salzburg. From Laxenburg west to Baden
& Alland to the autobahn west. At ^{Salzburg} ~~St. Gilgen~~ we
entered W. Germany. Just S. of Rosenheim, found 5 again in
Austria. Started to rain at about Salzburg & continued
well into Austria. Stopped for night = village of Krematen,
just W. of Innsbruck (Gästhaus Altherricht). Set
18 small 52. live traps (12 - old barn by the Gästhaus
& 6 - the Gästhaus cellar (wine & ham & bacon stored
there). Traps baited with rolled oats & bits of bacon.

Birds identified: Cygnus olor (June 20 - July 2):

St. Crested Grebe - 1 sp.

White Stork - 15 ±

Black-necked Grebe - 2+

Mute Swan - 10 ±

Little Grebe - several

Mallard - 30+

Night Heron - 6

Gadwall - 10 ±

(Gray) Heron - 2+

Tufted Duck - 40+

LIDICKER

1978

Pochard - 35+

Coot - ~~many~~ many

Buzzard - 2+

BLK. Kite - 2+

Harrier, unident - 2

Kestrel - com.

Wood Pigeon - few

Rock Dove - com.

Turtle Dove - com.

Com. Swallow com.

House Martin - com.

Hooded Crow - com.

Magpie - com.

Jay - 1+

Starling

unident. titmouse - knowy Marsh Tit by voice -

Linnet - 2+

Chaffinch - 10+

Goldfinch - 25+

July 4 ^{Any additional birds of interest seen in Austria were 2} Nightingales seen in Vienna.

Caught nothing - traps at Kerschen. Walked and
village & took a few photos. Then we continued W.
toward Switzerland. Went through Landeck + Pfunds,
& on into Switzerland. It rained most of day + got
harder into the afternoon. At 1400 we left to back + had
lunch in St. Moritz. Then we hiked up over Bernina
Pass into the Poschiavo Valley. It rained hard all

Pardalote - 2+

Pheasant - com.

Lapwing - 25+

Little Ringed Plover - 1

Blk.-headed Babb - com.

Common Tern - 20+

Cuckoo - 2+

Com. Swift - com.

Sky lark - 1

Mistle Thrush - 1

Blackbird - com.

Blackcap - Lead Aug - 1

Phylloscopus sp. - 2+

White Wagtail - 5+

Edible Sparrow - 1

House Sparrow - com.

Yellowhammer - 10+

Jackdaw - 10+

Any additional birds of interest seen in Austria were 2

L' DICKER
1978

July 4 cont.

afternoon & evening. Explored to Italian border & then started setting traps. Camp o' colognes: 5 small 52. & 5 m. sp. - small barn, behind house - town.

Zalende (just SW of Campasce: or on w. side of R.):

5 SL. ~~at~~ = kitchen of old house being renovated;
caves 1 ad. Mus fasciatus by hand which ran
out of a bag of old bread. Also saw 5 Mrs. sp. in ~~broken~~
brooms. Brusio - has been seen 5 my. & 5
live traps. Owner said they were "no rats". Then
he left 5 live traps with lady - house - Angelic Custodi
the Lighs village - the valley to set for us - the house.

Then we returned to San Antonio (just below Posch:aro) & checked out Perci one Apollo 12. About 1730 we set 1⁷ live traps - in hotel cellar (cantine) + 7¹ mous. Sj. outside (1⁸ of them were along side the house - a sheltered walk area (mini-savannah) + 4 were between a lumber pile + the house. This gave total of 3⁷ live traps + 2⁹ snap traps out ($n = 6\frac{1}{2}$). But we estimated, although first 2 groups of traps, some bits of bacon were used as well.

The valley is quite heavily settled & agricultural from Argeli Chustobi on down. Quite a few places when we asked about "topolin;" said they had some, especially lighter in the valley.

July 5

Continuing on a short continuous until ~1300.
After breakfast at 0800, we loaded traps. Around the
hotel we laid out 3 Spodomys (sylvestris) in the

LIDICOR
1978

4 traps set along the end of the wood pile. Other traps just a few feet away in the work area were untouched. Legs on all 4 traps except these 4.

Then we went down the Valley to Brusio: 1 Mars
(W2C #3602)

1 snap trap; all 10 traps picked up. Zalende:

1 Apodemus; ♀ in snap trap - ~~burrowed~~ (W2C 3603)

+ 1 M. p. - live trap - kitchen. Picked up Mrs. ♀.

leaving only 4 SL. running - kitchen. At Campocologno:
caught nothing. Reset traps as follows - 5 snap - barn

3 live traps under some piles of black plastic sheets (some
burrows seen), + 5 live traps - ^{across the road} carriage of the house.

The 5 traps left at Dogali Crastodi produced nothing;
they were retrieved. Then we returned to Hotel where
we caught one live Mrs. + discarded the others.

I skinned the Mars & the Apodemus from Zalende.

Tissues, skulls & skeletons were saved from all 5.

About 1515 started out again. I barn very close
to home in Zalende where we trapped (belonging to Sr.
Ferrari) we set traps at ~ 1600: upper hay loft -
3 snap; empty stalls below - 3 live trap; manure pile
outside - 2 live + 1 snap. We asked at a few more barns,
but couldn't find any additional places to trap in Zalende.

So went on to Campocologno. Here we set out 2
additional live traps near the plastic sheets set earlier this
AM. Also rebaited other 3 traps with fancy bait (oats
+ a chocolate flavor oval spread = Nutella). Set 10
Mrs. ♀ around + near the garden at this same site.

LIDICKER

1978

July 5 cont.

One of the 2 ladies there gave us a box of raspberries & 1
of strawberries which they had just picked. At Brusio
we went back to the hay barn we had traps last night &
set 4 live traps & 3 snares in the barn; in the continue of
the house across the street (potatoes & onions stand nearby),
we set 2 snares & 3 live traps & a neighbor next door took
2 live traps to set. In order to make all these new sets, we
removed all evening snares traps from the Pensione &
12 of the live traps. Returning to the Pensione we
went with a man who we presume is the father of the
(This man is not the owner)
lady who runs the hotel. He took us high up on the
mountain side to the W where he has a house at
1480 m. ("Carola"). This is above & at below San
Antonio (about even with the upper edge of the Lago).
We set our evening 5 live traps & 4 snares in a small
barn where the cats could not enter. Then we looked over
some of the beautiful meadows up there & found cuttings
in one place. Coming down we brought the hotel lady's
two children back with us. This man (presumed
grandfather of the kids) said the mice in his barn were
some special kind. He also recognized one species of
Mus Josephinus as the "tobacco mouse".

Summary of steps out:

Hotel -	85	^{live} ships
Zalanda -	9	4
Camposoborg -	10	15
Bronisio -	9	5 (cont.)

LIDICKER
1978

July 5 cont.

Caron - 5 4

Toots - 38 + 28 = 66

Went out to have dinner at Alteville Hotel - Paschiaro.

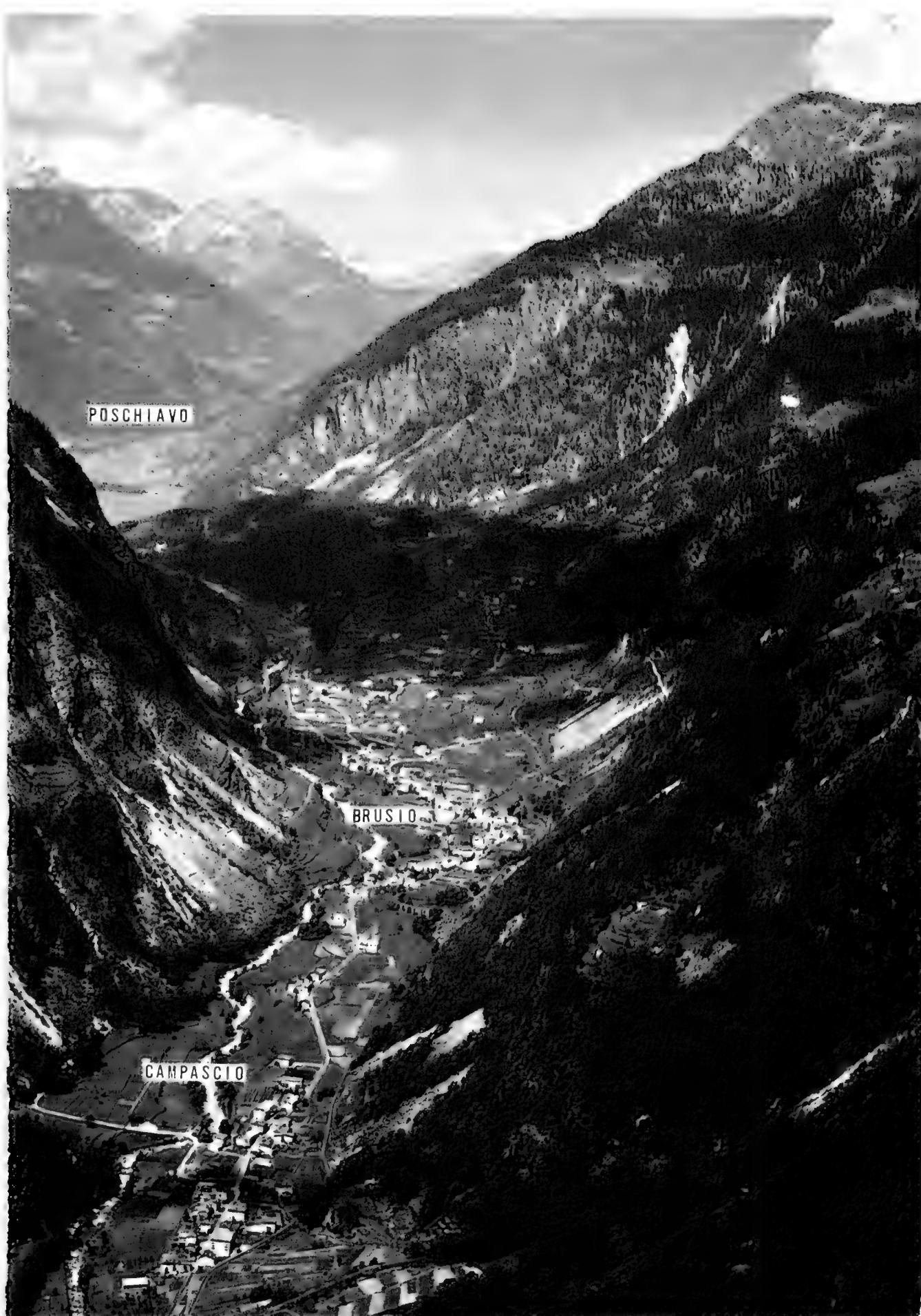
Saw Red-backed Shrike at ~~Zolanda~~ Bonsia.

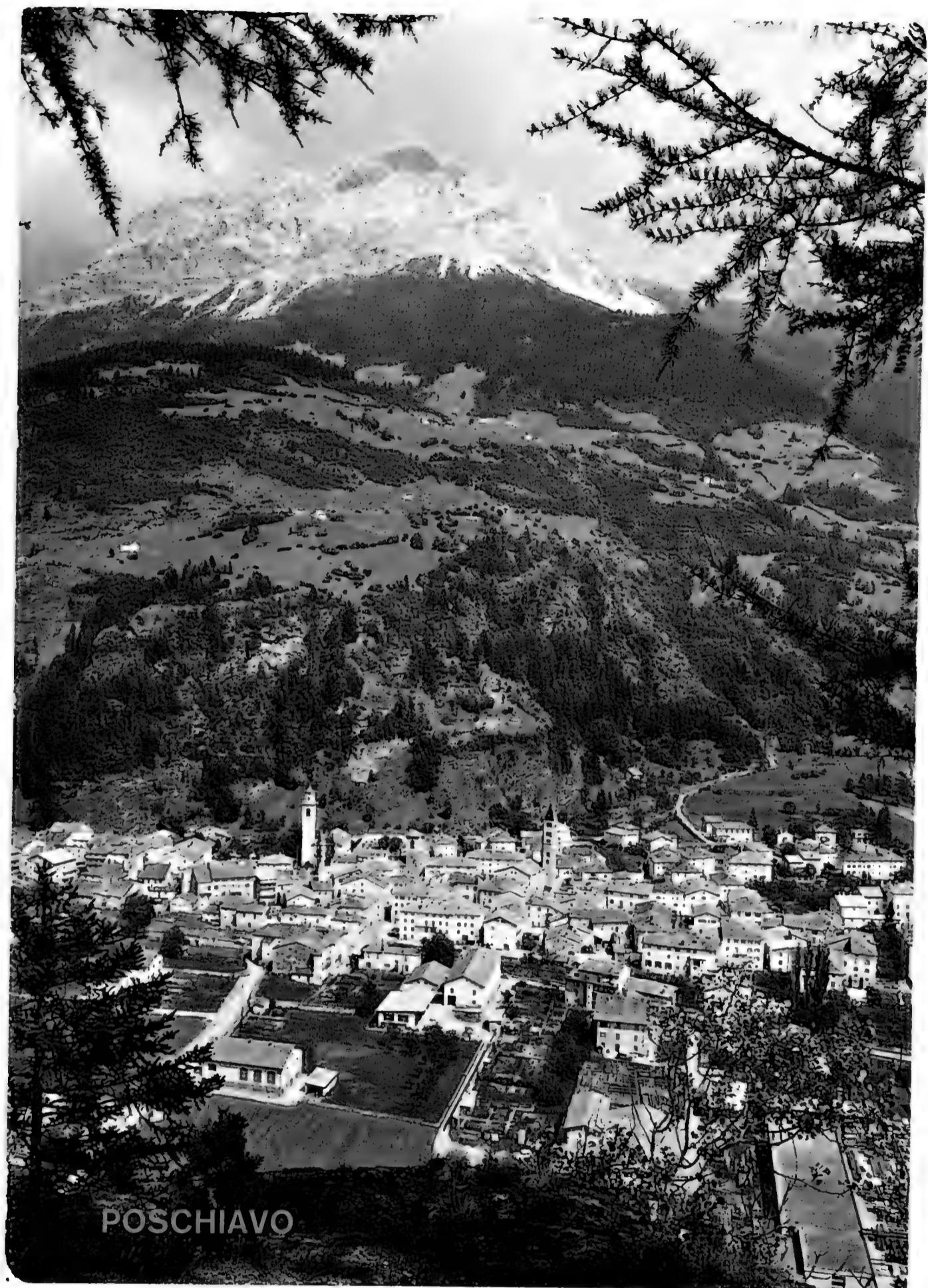
July 6

Got up at 7:30. Pouring rain until about 12:15. Checked 5 traps in vicinity of hotel after breakfast - no mice. Then the "grandfather" drove us up the mountain to Caron to pick up our traps there. We took along an 85 yr. old man who lived in Canada over 40 yrs. & spoke some English.

Traps produced nothing. From his description we think that the special "toots" there may be some kind of dormouse.

It was snowing while we were in Caron & the rain seemed slowly moist when we were $\frac{2}{3}$ of the way back down the mountain. Needless to say it was also quite cold. The "grandfather" took us to a grainery just behind the hotel & across the river. There then let us set traps inside and a wood pile which had quite a few mice droppings around it. We set 5 live & 4 snap traps. Then we went to Bonsia. Caught 1 M. porchiarius (WZC # 3604) in a m.s. sp. - the log barn. Nothing was caught - the catina across the street or in the 2 traps set by a neighbor. These last 2 were nearly set on top of a car so I used them in rather places in his storehouse. All the traps were left. At Zolanda we caught nothing. One live trap & 1 snap from the wooden pile we moved to the log loft where several traps had been sprung. At





LIDICKER
1978

July 6 cont

Conjocologno we caught 3 Aptomus sylvestris in the 10 snappers set around & near the garden. There were wood as well as 2 Shrews having all the 3 Shrews under the plastic sheets. We also picked up the 5 snappers in the barn & the 5 Shrews in the cellar. We went to Sh. and the barn (wood piles, etc.). As we were quite soaked by then, we returned to the hotel to change clothes (via Poschiavo to buy postcards). We got back about 1215.

Then we started processing our catch, almost finishing before lunch at 1300. Then we finished our animals, skinning only the mus but saving tissues from all 4, and went to the bank in Poschiavo. By this time it was sunny & clear. We also picked up the 5 evening live traps in the hotel corridor. Then we drove up the mountain to Camedo taking a few photographs. In an moist meadow near the house at Camedo where we had seen cuttings yesterday, we set 8 snappers & 2 more along the forest edge. Then we went to ^{Compascio} ~~Bressio~~ to take a picture of a spectacular waterfall. We talked to a man working in a vegetable garden, which included a patch of tobacco (this may be the highest patch of tobacco in the valley). He seemed to be familiar with mus p. (= tobacco worm) & confirmed that they are most common in buildings in winter & move into the fields in summer. We asked him to be more specific. He said they were rare in the garden itself & limited to the weedy woodbank. We looked around in a field (meadow) next to the river & found numerous

LIDICKER
1978

July 6 cont.

Mus.-like holes. Some could be Microtus but definitely moths were seen. We decided to set traps here so we went to Campacolome & retrieved all but the 3 traps under the plastic. Set then 7 Sl. & 5 Mus. Sl. in the field; slugs are very very abundant (~ 1800). Then we returned to San Antonio & set out last 5 traps (live) in a small shed off the main grocery building which contained good mouse sign. Summary of traps out:

	live	snaps
grocery	10	4
Brosio	9	5
Zalanda	9	4
Campacolome	3	
Canota		10
Campos	7	5
total	38	$+ 28 = 66$

Had dinner at Pension Noemi in Paschiera. Saw Red-tailed Slider again at Brosio & Mistral Throstle on 2nd. side.

July 7 No rain all day! Breakfast at 0800.

Checked traps - shed by grocery - none. Picked up all traps at Campacchio (slugs awful) & Campacolome - none.

At Zalanda we had 3 Mus f. in snap traps set in the hay loft, so we set 10 live traps in loft & picked up 3 in stables, & 1 by moonlight, & 4 in traps across the street.

Brosio & 7 traps - hay barn we had 1 dead & 1 live Mus; traps 4 live traps & around 3 snaps. In the cantine across the street we had 1 tiny microtine (Pitymys?) in a live trap.

We could not find the neighbor who had set 2 traps for us.

Then we climbed the mountain to Canota to pick up our 10 traps in the meadow there. Canota 1 Sorex - the road

LIDICKER

1978

July 7 cont.

Walt & I mined in the meadow. Then we returned to the Pensacola to work on our catch. About noon the man who runs the grocery offered to let Dick & Naomi pick up our 9 traps there; catch - 1 Spodomys (agrestinus?) in a snap trap. Worked on in a mid lunch at 1:00 & afterwards for another hour. I skinned 6 of our catch of 8 & we got tissues & complete skeletons from all. Then we went into Pensacola to the bank & bought some glass-headed pins for pinning the mammal skins. Went to Shad & Sonney & after blocking all exits, we went through the pile of hay in there which contained fresh-looking mouse holes - no others. We therefore picked up the 5 live traps there.

Then we went down the valley to set & check traps. At the Brusio hay barn, our 4 traps produced 2 live mous., so we set a total of 7 live traps there. Then we continued on 2 live traps from a neighbor & in the process we took to a nearby deposit which contained piles of old tobacco leaves & empty wine barrels. We set 10 live traps there. At Campocologo we set 15 mous. sp. in a grassy field in which earlier we had seen a few un-signal holes (no signs!). We also looked over several other fields which did not look as promising. In Campocologo we found a large chicken barn which we got permission to set 6 SL. traps and. Then we returned to Zabala to set our 10 traps in the hay traps. To our surprise we had 4 more live mous. We reset them, 3 traps. Then we set 9 mous. sp. in a storage shed next to the barn which

LUDICKER

1978

July 7 cont.

continued, in addition to a lot of smoking, piles of broken tops & some old spilled coffee beans. After returned to San Antonio, I set 5 mrs. ap. along a weedy bank of the river (with nettles, etc.).

2000-2130 we had dinner at the Ristorante Bernina in Poschiavo, & discovered that the owners lived many years in Merced, Calif. & still have 4 children in that area.

Summary of traps set: l. s.

San Antonio	5
Zelarino	10
Caprascia	7
Capodacqua	15
Brisio	17
	$\frac{3 \frac{1}{4}}{4} + 29 = 62$

Weather: mostly clear, but fairly strong wind blowing & quite chilly.

July 8 - Breakfast at 0730.

Picked up 5 traps along river. Had 1 Apodemus which definitely seems to be of a different species than the others we have been catching. It is smaller, has much smaller hind foot, ear, etc. (WZC # 3612). Went to bottom of valley at Capodacqua & worked our way back. Set in the 15 traps - 42 field, caught nothing (no slugs). At Zelarino we had 1 Apodemus - the skid (WZC # 3613); then traps picked up & saved as all other snap traps. In the day traps, we had 3 live mrs. The 10 traps then were supplemented with 4 more to make a total of 14. At Caprascia we picked up the 7 live traps then a day caught nothing. Finally at Brisio, we caught 3

LIDICKOR
1978

July 8 cont.

Mrs. i. the Log left a room - the tobacco
deposito. We left the tanks out adding $\frac{1}{2}$ more to
the hay bales including 4 placed on top of the hay (along
the edges), for a total of 12 - the bales. Then we were
invited to the pensione & I stayed ^{out} at the 2
Apostoli's while Naomi packed. We left \sim 1145
& headed for Milano. The address of the Pensione we
stayed at is: Fam. Falbo-Battilana, Pensione Apollo 12,
7749 L. Curt (tel. 082-51503)

It took us about $3\frac{1}{2}$ hrs. to get to the
Milano airport (Linate), stopping off for a brief
picnic lunch W of Sondrio. This gave us only a
little over 1 hr. to our flight time of 1750 (1650 Swiss
time). Dick then drove back to our trapline in
Poschiavo for 1 more night of trapping.

In London we were met by our friend Brian
Hedges & sons Paul & Alan. They drove us to their
home - N. Finchley where we spent the night. ~~The~~

~~July 9~~

Hedges drove us back to Heathrow where we waited
~~1300~~ for a flight at 4400 to Chicago. Flight time
was \sim 9 hrs. We were met by Naomi's brother Hikaru
who drove us to Milwaukee where we had left Jeff &
Ken with our friend the D.W. Palms.

July 10 - Relaxed - Milwaukee.

July 11 - whole family flew home together arriving home \sim
1500 (after a 2 $\frac{1}{2}$ hr. delay - flight in Milwaukee).

LIDICKER
1978

Jackson Lake Lodge, Wyoming + INEL, Idaho

10-15 Sept.

Sept. 10 - Flew to Jackson, Wyo., via Salt Lake City to attend session of Environmental Program of Idaho National Engineering Lab (D.O.E.) as member of 5-man review team. Invited by Doyle Markham who is in charge of group. Took bus from airport to Jackson Lake Lodge - Teton mt. Nat'l. Pk.

Sept. 11-12 - Session - heard 35 papers. Rain + snow most of the time. Saw mtns briefly mid-afternoon of 11th.

For about 1½ hrs. in late afternoon walked around on 11th - rain + snow. Left ~ 1600 ~ 12th for Idaho Falls.

Dinner w/ Markham + Dick Hansen (CSU). ^{Stayed} _{met w/} ¹⁵⁰⁺ _{5, 18} Jackson.

Sept. 13-14. Site visit at INEL talking to investigators. Other members of review team were:

Ted Hakanson - Los Alamos

Burt Cushing - Battelle, Richland, Wash.

Tad Weaver - Mont. St. U., Bozeman

Clayton White - BYU, Provo

Stayed at Westbank Motel - Idaho Falls. ^{Cool, hazy, overcast} + often windy.

Sept. 15 - Left 0700 for flight back to San Francisco, via, SLC. Got to MVR about 1000.

Birds seen:

Horned Grebe - 4 (infl.)

* Trumpeter Swan - 5 (1 juv. ad. + 1 juv. ♀ ad + juv.)
or small flock give N of Jackson Lake Lodge)

Mallard - 10+ (JLC)

Geese - 15+ (-)

LIDICKER

1978

11-14 Sept. cont.

Pintail - 10+ (JUL)

Cinn. Teal (or Blue-winged) - 5 (no ad. ♂) (JUL)

Am. Wigeon - 10+ (JUL)

Ruddy Duck - 15+ ("")

Cooper's Hawk - 1 ("")

Ferruginous Hawk - 2 (INSL)

Marsh Hawk - 1 (INSL)

Sparrow " - 10+ (INSL + trans: +)

Red-t. " - 3+ (" " ")

Sage Grouse - 2 (INSL) + 3 (JUL)

Coot - 30+ (JUL)

Killdeer - 2+ (INSL)

Rock Dove - tons

Mourning Dove - 5+ (INSL)

Barn Owl & G. Horned Owl feathers & pellets ~ INSL

Rattlesnake Cave

WL. Sw. Swift - 3 (INSL)

Flicker - 1+ (JUL)

H. Lark - 30+ (INSL)

Barn Swallow - 10+ (INSL)

Blk. & W. Magpie - 5+ (trans:)

Com. Raven - 4+ (JUL) + 1 (INSL) Robin - 2 (JUL)

Starling - 10+ (trans: 2) Wilson's Warbler - 3+ (JUL) + 1 (INSL)

W. Meadowlark - 10+ (INSL + trans: ?) Red. W. Blackbird - 2+ (JUL)

Rusty Blackbird - 3+ (JUL) Brown's Blackbird - 80+ (JUL + trans:)

varied. Sparrow - 2+ (JUL) Vesper Sp. (?) - 1+ (INSL)

varied. Juncos - 2+ (JUL)

Mammals noted:

Mustela frenata - 1 (INSL)

LIDICKER

1978

11-14 Sept. - cont.

Tamiasciurus - 3+ (JL)

Erethizon minimus - 2+ (JL) - watched one eating
inflorescences of sagebrush (Artemesia)

Antilocapra cervicapra - 30+ (INEL)

Sylvilagus nuttalli - 1 (INEL)

S. idahoensis - burns + droppings seen (INEL)

Lepus sp. - droppings seen (INEL)

Lynx rufus - 1 dead (INEL)

Urocyon cinereoargenteus - 1 DOR (INEL)

Cervus canadensis - tracks + droppings (INEL)

gopher mounds, large burns, Peromyscus tracks (in cavedust),
white work of Neotoma cinerea (INEL)

Microtus montanus - 1 seen (INEL)

Sayre Creek Field Station, California

Mammalogy class field trip, 20-22 Oct.

Oct. 20

Led about 9:30-10:15 with 7 vehicles, 28 students
plus Jim + Carol Patten + John Hartmer (TA).

Weather: clear + beautiful, down to 23°F each

night, with alot of frost. While working with group
of 10 students just 6 of rock slides in 1 hr. down
stream from the Station, set 4 no traps along side
of the road. Caught 1 Callospermophilus lateralis within
1 min of setting the first trap (W2L#3615). Also
trapped 2 Spilogale sets near the creek + a couple in
set 5. Trapped bobcats by Neotoma in the

LIDICKER
1978

Oct. 20 cont.

much red. Then we were for 2 days thru the
desert and saw very little. Took beaver activity
at this time. From 2130 to 2300 watched beaver in
the pond by the new house. Saw 3 different individuals,
including 2 ad. + 1 smaller one. One ad. had a yellow
ear tag in one ear + red in the other.

Oct. 21

Caught 1 Peromyscus maniculatus, 1 Castor canadensis (WR 3616)
+ 1 Tamiasciurus douglasii in my 4 rd
trap making a total of 4 species caught in these 4 traps.
Also saw 1 E. sp. c. in the vicinity. One
ad ♀ Neotoma cinerea was in the live trap. This
was brought back to the lab for the day + released
in the afternoon. The additional live trap had been
set but was unresponsive. On other trap had been
flagged. Saw +/a least 3 White-tailed Kites.

In afternoon, I set up 4 more traps, + 1 gopher
set. Set a second gopher set in vicinity of running
one. Had going over to large sandbar ~ $\frac{3}{4}$ mi. E of
Station to set for water shrews + M. m.. There
was a small area of M. ssp. in the water, mostly in
runways (most = sticks among grass clumps) + piles
of cuttings. Then we went along the Independence River
Rd. to set flying squirrel traps. Set 5, waited on
these + found objectives to Sperm S. (this old chipmunk
study area (1 1/2 mi. N, 0.6 mi. E Saylor Cr. Field St., 6640 ft.
Sierra Co.,). Bait used was apple + peanut butter.

LIDICKER
1978

Oct. 21 cont-

Then drove further W + took traps back along
river further on & set out additional $\frac{1}{4}$ mi. into forest where
the group set out additional 5 traps (2 set out).
Watched beaver again - evening ($\sim 2030-2130$). Saw
at. w/ ear tags again + watched it feed, etc. plus heard
1 additional - water & heard one feeding - first bird
seen.

Oct. 22

Picked up all traps. At 0200 hours no live trap
caught: 1 ad. ♂ (brought back to lab & later released)
2 ad. ♀ (by location, these were as the same
as on caught yesterday) - released
5 additional traps were set out & had not been
tripped by Neotoma; 1 trap was set by
smallly smaller (1/2 size of droppings) was sprung
& sprung. Only 1 trap was untouched.

Flying squirrel sets: 1 [♂] - trap & 1st set as demonstration,
(WRC #3617), + 1 [♀] - trap in 2nd group. Also
on T. douglasii: was taken in second group (2 mi. N
Sugden Creek Field St., 6800 ft., Sierr Co.) of the
meadow trapped by several students, only 2 Sciurus
fuscus were caught (1 within 2 ft. of a Salix clump,
& 1 under a log on edge of meadow) + no. M. montanus.

Lays Station about 1400 + drove back to
Berkeley arriving about 1745.

Of other birds seen worth mentioning were several
Brown Creepers & a Audubon's Warbler.

LIDICKER
1978

Hastings Natural History Reservation, Monterey Co., Calif.

10-12 Nov. - Mammalogy class field trip with Jim Patten & family. TA = John Hafner. 14 students

Ground level & dry. Class caught a total of 3 Microtus

- "6 acre Field: All were adults. Stock pond was completely dry so trap sets not set. Some rain, sleet, & hail, but no enough moisture to penetrate soil over the next 10 in.

17-19 Nov. - Mammalogy class field trip with 2nd half ^(13 students)

of class. Three were microtus were taken; 2 ad. ♀ & 1 ad.

♂. 1 ♀ had 6 large embryos & the other had given birth about 2 days previously, had old vaginal plug, & was not lactating. Perhaps there was insufficient moisture to support lactation.

Hit rain Sun. evening upon returning to the Bay Area.

B:II & Ginger Francis came to visit on Sat. evening.

Brown's Reservoir, Contra Costa Co., Calif.

Dec. 29, 30

Stopped to view reservoir from several places along highway on my way back & forth from Russell Reservation.

Coots - 40 ±

Pied M. Grebe - 20 ±

Shoveler - 4

Common Moorh. - 1 +

Baldpate - 8 ±

Red Th. Loon - ??

Canada Swan - 65 +

Common (D. cr. ?) - 25 ±

Am. Merganser - 10 ±

Bufflehead - 2 +

Golden-eye - 1

Ruddy Duck - 15 ±

Greater Scaup - 10 ±

Lidicker, W.Z.

1978 - 1982

Catalogue

3610 - 3873

Switzerland (pt)
Calif.
Hawaii
Alaska
Kenya
Eland

Lidicker, N.

1979

2695 - 247

LIDICKER
1978
+
1979

Bruni, 780 m., Poschiavo Valley, Switzerland

July 7

3610. ♀ *Mus fasciatus* 17 gms, 185-93-18-16, no emb. jaws + SKEL. L, K, Ht, + m
nail. p. + SKEL. L, K, Ht, M

3611. ♀ *Pitymys?* 9.5 g. 122-33-18-13

~~San Antonio~~ Li Curt, 990 m., 1 1/2 km. S, 1/2 km E Poschiavo, Val Poschiavo
Switzerland

July 8

3612. ♀ *Auliscomys* 28 g. 5 in. x 20 mm., test. ? + SKEL. L, K, Ht, M

Zelende, 600 m., Poschiavo Valley, Switzerland

July 8

3613. ♀ *Auliscomys* 35 g. 196-91-23-17 + SKEL. L, K, Ht, M, no emb. test.

Richard, 900 ft., Contra Costa Co., Calif.

Sept. 26

coll. by J.C. Hater
coll. scars, recent death

3614. ♀ *Peromyscus truei* 210-105-23-20=28 g.

~~2.7 mi. N, 2.3 mi. W, 6350 ft.~~

2.7 mi. N, 2.3 mi. W Hobart m: 11, 6350 ft. Nevada Co., Calif.

Oct. 20

3615. ♂ *Callospermophilus lateralis* test. 8 1/2 + 9 1/2 173.2 g. 260-82-42-22

Oct. 21

3616. ♂ *Tamiasciurus douglasii* 194.1 g. test. 8 1/2 x 9 1/2, not dead, scars ~~dead~~ 285+83+-55-27

1 1/2 mi. N, 0.6 mi. E Sycamore Creek Field Sta., 6640 ft. Sierra Co., Calif.

Oct. 20

3617. ♂ *Glaucomys sabrinus* test. 7 x 3 in. not scrotal + STOM. 113.1 g. 284-127-36-20

Hale Poloku, 9250 ft., Mauna Kea, Hawaii Co., Hawaii

March 20, 1979

3618. *Mus musculus* ♂ P.H, K.L. 11.5 g. 109.6 x 42 mm, des. S.V. 11 mm

158-70-18.5-12
test. 6 x 3.5 in. S.V. 12 mm

3619. " " ♂ P.H, K.L. 15.5 g. 162+72+18.5-12
test. 6 x 4 mm, des. S.V. 10 mm

3620. " " ♂ P.H, K.L. 12.5 g. 157-74-18-11
test. 6 x 4 mm, des. S.V. 10 mm

LIDICKERY
1979

Hale Pohaku, 9250 ft., Mauna Kea, Hawaii Co., Hawaii

March 20

3621.	Mus musculus	♂	13.5 g.	PHKL	test. 7x4.5 mm.; s.v. 10 mm. 167-80-18.5-11
3622.	"	"	14 g.	PHKL	test. 7x4.5 mm.; s.v. 10 mm. 162-74-18-11.5
3623.	SKULL ONLY	"	9.5 g.	PHKL	test. 7.5x3.5 mm.; disc. s.v. small
3624.	SKULL ONLY	"	14 g.	PHKL	test. 7.5x4 mm.; disc. s.v. 11 mm. 162-77-19-11.5

Hale Pohaku, 9400 ft., Mauna Kea, Hawaii Co., Hawaii

March 20

3625.	Mus musculus	♀	10.5 g.	PHKL	test. 6x4 mm.; s.v. 8 mm. 148-69-17-11
-------	--------------	---	---------	------	---

Waimea (airport), 2500 ft., S. Kohala Dist., Hawaii Co., Hawaii

March 20 (coll. ~15 Mar. by Q. Tomich)

3626.	♂ Mus musculus		15.5 g.	PHKL	test. 6x4 mm.; s.v. 8 mm. 160-75-19-11.5
-------	----------------	--	---------	------	---

Waikoloa Village, 2000 ft., S. Kohala Dist., Hawaii Co., Hawaii

March 20 (coll. ~15 Mar. by Q. Tomich)

3627.	♂ Mus musculus		12.5 g.	PHKL	test. disc., test. 7x4 mm.; s.v. 7 mm. 164-83-20-11.5
3628.	♂ "		5 g.		multip. 111-49-15.5-9.5

Hale Pohaku, 9250 ft., Mauna Kea, Hawaii Co., Hawaii

March 20

3629.	♂ Mus musculus		14 g.	PHKL	test. 6x4 mm.; s.v. 8 mm. 158-75-18-11.5
3630.	♀ "		14.5 g.		6 test. pl. scars 156-72-18-11

Waikoloa Village, 2000 ft., S. Kohala Dist., Hawaii Co., Hawaii

Mar. 20 (coll. ~15 Mar. by Q. Tomich)

3631.	♂ Mus musculus		8.5 g.	PHKL	test. 5x3 mm. et. not visib. 139-64-16-10
-------	----------------	--	--------	------	--

Kawaihae, 30 ft., S. Kohala Dist., Hawaii Co., Hawaii

Mar. 21 (coll. ~15 Mar. by Q. Tomich)

3632.	♀ Mus musculus		8.5 g.	PHKL	club ft. hind foot multip. 144-68-17-10.5
3633.	♂ "		11.5 g.		test. 8x4.5 mm.; disc. s.v. 6 mm. 145-70-17-11.5

LIDICKER
1979

Kawaihae, 30 ft., S. Kohala Dist., Hawaii Co., Hawaii

Mar. 21 (coll. ^{C-16} Mar. 5, Q. Tomik)

	SKULL ONLY	PHKL	NULL.
3634. ♀	<i>Mus musculus</i>	9.5g. PHKL	154-77-18-10 test. desc. 6x4.5m. : SV. 10m.
3635. ♂	"	15g. PHKL	159-74-18-10.5 no en. long w/ pl. scms
3636. ♀	"	13.5g.	157-75-17.5-11

Hale Po Laken, 9250 ft., Mauna Kea, Hawaii Co., Hawaii

Mar. 21

	PHKL	test. desc. 6x4.5m. : SV. 9m.
3637. ♂	<i>Mus musculus</i>	15.5g. 165-79-19-12

Pohakuloa, 6500 ft., Mauna Kea, Hawaii Co., Hawaii

Mar. 21

	SKULL ONLY	PHKL	NULL.
3638. ♀	<i>Mus musculus</i>	9g. PHKL	144-67-18-11 test. 2x1m
	SKULL ONLY		
3639. ♂	"	4.5g. PHKL	104-44-15-9 null.
3640. ♀	SKULL ONLY	7.5g. PHKL	134-61-17-10 test. 5.5x3.5m. : SV. 2m.
3641. ♂	"	10.5g. PHKL	144-67-18-10.5

Hale Po Laken, 9400 ft., Mauna Kea, Hawaii Co., Hawaii

Mar. 22

	PHKL	test. desc. 7x4m. : SV. 10m. st. obs.
3642. ♂	<i>Mus musculus</i>	14g. PHKL 157-77-19.5-11.5 no en. long w/ pl. scms
3643. ♀	SKULL ONLY	14.5g. PHKL 159-73-17.5-11 5 m. x 14m.
3644. ♀	"	14g. PHKL 149-70-18-12.5

Pohakuloa, 6500 ft., Mauna Kea, Hawaii Co., Hawaii

March 21

	PHKL	no en. long w/ pl. scms
3645. ♀	<i>Mus musculus</i>	18g. PHKL 163-75-18-11.5 5 m. x 2m.
	SKULL ONLY	
3646. ♀	"	10.5g. PHKL 150-71-17.5-11.5 null.
3647. ♀	SKULL ONLY	6g. 117-53-16-9.5

March 22

	PHKL	test. desc. 6x3.5m. : SV. 12m.
3648. ♂	<i>Mus musculus</i>	13g. PHKL 154-74-17.5-10.5 test. desc. 7x5m. : SV. 12m.
3649. ♂	"	19g. 173-81-17.5-11

LIDICKER
1979

Hale Pohaku, 9250 ft., Mauna Kea, Hawaii Co., Hawaii

March 22

	SKULL ONLY	PHKL	WEIGHT, LENGTH, WIDE, FWT, N. TING.
3650.	♀ Mus musculus	9.5g.	145-68-17-11.5
3651.	♂ "	14.5g.	test. desc. $6\frac{1}{2} \times 4\frac{1}{2}$ in. SV. 10 in.
3652.	♂ "	15g.	test. desc. $5\frac{1}{2} \times 4$ in. SV. 9 in.
			167-77-18-10

Kawaihae, 30 ft., S. Kohala Dist., Hawaii Co., Hawaii

March 22 (coll. on Mar. 21 by Q. Tomich)

	SKULL ONLY	PHKL	WEIGHT, LENGTH, WIDE, FWT
3653.	♀ Mus musculus	13g.	142-70-17-10.5

March 23

	SKULL ONLY	PHKL	WEIGHT, LENGTH, WIDE, FWT
3654.	♀ Mus musculus	9.5g.	149-75-18.5-10
3655.	♂ "	11.5g.	test. $6\frac{1}{2} \times 4$ in. SV. 9 in.
			146-69-17-10

Pohakuloa, 6500 ft., Mauna Kea, Hawaii Co., Hawaii

March 23

	SKULL ONLY	PHKL	WEIGHT, LENGTH, WIDE, FWT
3656.	♀ Mus musculus	13g.	161-77-18-11.5
3657.	♀ "	16.5g.	161-74-18.5-11.5
3658.	♀ "	8g.	test. no visit. score, woman glands dev.
3659.	♀ "	11.5g.	154-74-18.5-11.5
3660.	♀ "	19.5g.	4 sub x 13 in + 2 resp. x 4 in
3661.	♀ SKULL ONLY	9g.	175-85-19-12
			131-63-17-9

Hale Pohaku, 9400 ft., Mauna Kea, Hawaii Co., Hawaii

Mar. 23

	SKULL ONLY	PHKL	WEIGHT, LENGTH, WIDE, FWT
3662.	♂ Mus musculus	12g.	test. desc. $6\frac{1}{2} \times 4$ in. SV. 10 in
3663.	♂ "	9g.	180-70-18-12

Kawaihae, 30 ft., S. Kohala Dist., Hawaii Co., Hawaii

March 23 (coll. 21-22 Mar. by Q. Tomich)

	SKULL ONLY	PHKL	WEIGHT, LENGTH, WIDE, FWT
3664.	♀ Mus musculus	10.5g.	15 $\frac{3}{4}$ -73-16-10

Licker, N
1979

Pohakuloa, 6,500 ft., Mauna Kea, Hawaii Co., Hawaii

March 20

205.	♂	Mus. muscular	14.5g.	153 - 76 - 17 - 13 7emb. x 8mm.
206.	♀	" "	same map 14.5g.	157 - 77 - 18 - 11 test. 7X4mm., desc., s.v. 9mm.
207.	♂	" "	same map 16g.	166 - 78 - 18 - 12 (7emb. x 6mm.)
208.	♀	skull only	" "	149 - 70 - 18 - 13 - 6emb. x 7mm.
209.	♀	skull only	" "	150 - 79 - 18 - 13 with faint placental scar
210.	♀	skull only	" "	152 - 72 - 16 - 12 test. 5x3mm. desc. s.v. small
211.	♂	skull only	9.5g. 8.5g.	139 - 65 - 18 - 11

Hale Pohaku, 9400 ft., Mauna Kea, Hawaii Co., Hawaii

March 21

212.	♀	Mus. muscular	19.5g.	166 - 81 - 18 - 15 5emb. x 17mm.
------	---	---------------	--------	-------------------------------------

Kawaihae, 30 ft., S. Kohala Dist., Hawaii Co., Hawaii

March 21 (collected ~15 Mar. by Auto Mich)

SKULL ONLY

213.	♀	Mus. muscular	11.5g.	159 - 82 - 18 - 14 faint placental scar; nipp. small
214.	♂	skull only	10g.	150 - 76 - 18 - 12 nipp.
215.	♀	skull only	11g.	141 - 68 - 15 - 12 nipp. 7g
216.	♀	skull only	11g.	151 - 75 - 18 - 13 test. 6x4mm., s.v. 5mm not desc.
217.	♂	skull only	11g.	148 - 76 - 18 - 13 nipp.
218.	♀	skull only	11.5g.	155 - 79 - 17 - 14 test. desc. test. 6x3mm. s.v. small
219.	♂	skull only	9.5g.	151 - 78 - 18 - 12 nipp.
220.	♀	skull only	5g.	101 - 48 - 15 - 10 test. 7x4mm.; desc., s.v. 4mm
221.	♂	skull only	11g.	138 - 66 - 17 - 11

Hale Pohaku, 9,200 ft., Mauna Kea, Hawaii Co., Hawaii

March 22

SKULL ONLY

222.	♀	Mus. muscular	10.5g.	143 - 71 - 17 - 11 test. 5x8mm., not desc., s.v. 9mm.
223.	♂	" "	13g.	160 - 77 - 18 - 13

idicker, N.
1979

Hale Pohaku, 9,250 ft., Mauna Kea, Hawaii Co., Hawaii

March 22

224. ♂ *Mus musculus* 11g. test 4x6mm, not desc. 148-71-17-12 ^{SV. 8mm}

Pohakuloa, 6,500 ft., Mauna Kea, Hawaii Co., Hawaii

March 21

225. ♂ *Mus musculus* 12g. test 7x5mm, SV. small 148-86-17-13

SKULL ONLY March 22

226. ♀ *Mus musculus* 14.5g. 8 mm x 4 mm. 159-77-19-13

SKULL ONLY

227. ♀ " 15g. tail-tip missing 153-14-17-12 ^{SV. 7mm}

SKULL ONLY

228. ♂ " 5.5g. test. 2.5x1.5mm. 116-53-17-11

SKULL ONLY.

229. ♂ 7g. test. 3x2mm. 127-61-17-12

Kawaihae, 30ft., S. Kohala Dist., Hawaii Co., Hawaii

March 22 (coll. ~15 March by Gu. Tomich)

SKULL ONLY

230. ♂ *Mus musculus* 8.5g. test 6x4mm. SV. 2.5mm. 141-71-16-12

231. ♀ " 11g. ~~SV. 2.5mm~~ 145-68-16-10

232. ♀ " 10.5g. ~~SV. 2.5mm~~ 140-68-17-11

Pohakuloa, 6,500 ft., Mauna Kea, Hawaii Co., Hawaii

March 22

233. ♂ *Mus musculus* 13g. test desc., test. 6x4mm. SV. 9mm

SKULL ONLY

234. ♂ " 7.5g. test. 2.5x2mm. 130-63-17-11

SKULL ONLY

235. ♀ " 5.5g. nullip. 120-55-17-10

236. ♀ " 17.5g. placenta scars 172-78-16-13

237. ♂ " 13g. test. 5x3mm., SV. 5mm. 147-71-16-12

238. ♀ " 18g. ^{6mm x 15mm} 158-78-17-12

Hale Pohaku, 9,250 ft., Mauna Kea, Hawaii Co., Hawaii

March 23

239. ♂ SKULL ONLY test. 6.5x3.5mm., SV. 8mm

Mus musculus

11g.

149-71-16-11

Lidicker, N.

1979

Kawaihae, 30 ft., S. Kohala Dist.; Hawaii Co., Hawaii

March 23 (coll. Mar. 21-22 by Q. Tomich)

test. 7X4 mm., S.V. 6 mm.

240.	♂	<i>Mus musculus</i>	10.5g.	144-75-17-10 test. desc. 7X5 mm., S.V. 7 mm.
241.	♂	"	10.5g.	149-44-16-12 test. desc. 7X4 mm., S.V. 7 mm.
242.	♂	"	10g.	147-73-17-13 test. 7X5 mm., S.V. 8 mm.
243.	♂	"	13.5g.	151-74-16-12

Honokaa, 1200 ft., Hawaii Co.; Hawaii

March 23 (coll. March 17 by Q. Tomich)

		<u>SKULL ONLY</u>		
244.	♀	<i>Mus musculus</i>	7.5g.	140-68-16-11 temp. 17 mm., 2 resorb. 15 mm. nullip.
245.	♀	"	15.5g.	151-71-17-13 nullip.
246.	♀	"	8g.	127-62-16-11 test. 7X4 mm., S.V. 5 mm.
247.	♂	"	13.5g.	143-69-78-12

LIDICKER
1979

Honokaa, 1200 ft., Hawaii Co., Hawaii

Mar. 23 (coll. n. 17 Mar. by Q. Tomich)

		PHKL	Length w/ fl. scars
3665.	♀ Mus musculus	PHKL	13.5 g. 160-77-19.5-11.5 post. disc. $7\frac{1}{2} \times 4\frac{1}{2}$ mm; S.V. 8 mm
3666.	♂ " "	PHKL	13 g. 160-73-18-11.5 post. disc.
3667.	♀ " "	PHKL	9 g. 138-68-17-10.5

Brooks Island, Contra Costa Co., Calif.

April 15 (coll. by F.C. McCollum)

		FCM #3	PHKL	Post. disc. sup.; N. vent. 7 mm x 19 mm; 31 cl.
3668.	♂ Microtus californicus	FCM #6	PHKL	44 g. 170-43-21-13 post. disc. sup.; N. vent. vent. disc. 6 cl. R. 5 cl.
3669.	♀ "	FCM #2	PHKL	31 g. 163-43-20.5-14 post. disc. sup.; N. vent. 4 mm R. 4 mm
3670.	♀ "	FCM #1	PHKL	26 g. 152-40-20.5-10 post. disc. sup.; N. vent. 6 mm x 3 mm 3 cl. 4 cl. R.
3671.	♀ "	FCM #5	PHKL	24 g. 143-38-21-14 TND; scut. light brown. tars. 9 x 6 mm; 2 cl. 5 cl. R.
3672.	♂ "	FCM #4	PHKL	36 g. 180-48-23-14 post. disc. sup.; P. post. N. small - visib.
3673.	♀ "	FCM #7	SKULL ONLY	30 g. 164-45-22-14 TND, 3 $\frac{1}{2} \times 2 \frac{1}{2}$ mm S.V. 2 mm
3674.	♂ "	FCM #8	PHKL	14.5 g. 122-34-19-9

April 28 (coll. by F.C. McCollum) (K:114 28 Apr.)

		FCM #9	SKULL ONLY	Vap. dry, Length 1 $\frac{1}{2}$ mm. wide; post. disc. 5 cl.
3675.	♀ Microtus californicus	FCM #14	PHKL	18 g. 135-39-19.5-11 post. disc. sup.; N. vent. 3 cl. R. 3 cl.
3676.	♂ "	FCM #12	PHKL	14 g. 124-35-18-10.5 C. 6 mm
3677.	♀ "	FCM #11	PHKL	29 g. 152-48-22-13 no incisor points, can. & lg. molars.
3678.	♀ "	FCM #13	PHKL	38 g. 189-54-22.5-16 lact. 8 mm x 5 mm.
3679.	♀ "	FCM #15	PHKL	37 g. 182-48-21-14 no incisor points, 2 molars on 1 bone, 2 cl. & 5 cl. ca's
3680.	♂ "	FCM #16	PHKL	36.5 g. 184-50-21-13.5 no incisor points, 2 molars on 1 bone, 1 cl. & 5 cl. ca's
3681.	♀ "	FCM #8	PHKL	42 g. 181-48-22-14 bloody eyes; ca's & molars.
3682.	♀ "	FCM #7	PHKL	29 g. 164-44-20.5-12 no incisor points, 2 molars.

(K:114 29 Apr.)

		FCM #7	PHKL	Post. disc. sup.; N. vent. 6 mm x 6 mm + fl. scars
3683.	♀ "	FCM #5	PHKL	30 g. 186-47-21.5-15.5 3 mm x 12 mm.
3684.	♀ "	FCM #6	PHKL	41 g. 180-47-21-14 4 mm x 6 mm.
3685.	♀ "	FCM #6	PHKL	36 g. 169-48-20-14

LIDICKER
1979

Brooks Island, Contra Costa Co., Calif.

		Apr. 27 (coll. by F. C. McCollum; killed 29 Apr.)	
	Fcm #4	PHKL	2.4 in. x 2.3 in.
3686.	♀ Microtus californicus	44 g	180-49-22-15
	Fcm #1	PHKL	test. 9 x 6 mm, et. v. 5:6, s.v. 10 mm
3687.	♂ "	44 g	200-53-23.5-15
			(killed 27 May)
3688.	♀ Microtus californicus	PHKL	30.5 g
	Fcm. #3	PHKL	28.5 g
3689.	♀ "	PHKL	28 g
	Fcm #10	scut. sign. test. disc. 7 x 4 1/2 mm, et. v. 5:3, s.v. 10 mm	162-42-22.5-14
3690.	♂ "	PHKL	30.5 g
			171-47-22-13.5

Hale Pohaku, 9250 ft., Mauna Kea, Hawaii Co., Hawaii

	March 23	
	K.L.T.	test. 6 1/2 x 4 1/2 mm, et. visib., s.v. 12 mm
3691.	♂ Mus musculus	12.2 g

Hale Pohaku, 9400 ft., Mauna Kea, Hawaii Co., Hawaii

	March 23	
3692.	♂ Mus musculus	K.L.T. test. 6 x 4 mm; et. v. 5:8, s.v. 8 mm 12.2 g

Russell Reservation, Lafayette, Contra Costa Co., Calif.

	March 30 (killed June 1)	
3693.	♀ Reithrodontomys megalotis	9 g. 152-78-16.5-13 test. v. 11.5 mm?
3694.	♂ Microtus californicus	field no. 1344 test. disc. 7 x 4 mm; et. v. 10 mm, s.v. 5 mm 40 g 168-44-21.5-12
		scut. sign. field no. 1325 test. disc. 7 x 4 1/2 mm; et. v. 10 mm, s.v. 8 mm
3695.	♂ "	41.5 g. 165-45-21-12

5 1/2 km W, 4 1/2 km S Healy, N. side Alaska Range, Alaska

25 July 1978 (skinned 13 July 1979) coll. by J. O. Wolff

3696.	♀? Sorex	3.6 g. 93-34-12-6 8 mm. x 4 mm.
3697.	♀ Sorex	7.7 g. 124-46-14-7.5

5 1/2 km. W, 4 1/2 km. S Healy, 2300± ft., N. side Alaska Range, Alaska

19 Aug. 1978 (skinned 13 July 1979) coll. by J. O. Wolff

3698.	♀ Sorex	5.6 g. 113-45-14.5-8 1 active only found
-------	---------	---

LIDICKER

1979

5½ km. W, 4½ km. S. Healy, 2100 ft., N. side Alaska Range, Alaska

April 30 (skinned 16 Aug.) coll. by J. O. Wolff
parous, no teats.

3699 ♀ *Sorex* 4.4 g 108-35-12-6.5
(collected 2 Aug.) SKULL ONLY $43 \times 3 \times 2 \frac{1}{2} \text{ mm.}$; lg. acc. glands

3700 ♂ *Sorex* 5.0 g 96-33-12.5-6

2400 ft. 11-13 May (skinned 2 Aug.) coll. by J. O. Wolff
 $41 \times 6 \times 4 \text{ mm.}$, lg. penis

3701 ♂ *Sorex arcticus* 9.6, 110-33-13.5-6

Cancer Research Laboratory, Univ. of Calif., Berkeley

27 Aug.

P, H, K, L, musc. only

3702 ♂ Domestic mus BALB/c born. 29 May, 1979

P, H, K, L, musc. only

3703 ♂ "

P, H, K, L, musc. only

3704 ♂ "

C57 Black born. 19 June, 1979

P, H, K, L, musc. only

3705 ♂ "

"

P, H, K, L, musc. only

3706 ♂ "

HES C3H

born. 24 July, 1979

P, H, K, L, musc. only

3707 ♂ "

"

P, H, K, L, musc. only

3708 ♂ "

A/CRSL

born. 24 April, 1979

P, H, K, L, musc. only

3709 ♂ "

"

P, H, K, L, musc. only

Kawai'ale, 20 ft., Hawaii Co., Hawaii ("Bulk Sugar Storage")

27 Aug. (caught 23 Aug. by Q. Tomich)

born. 24 Sept. 1978. B, K, L, H av.

3710 ♀ *Mus musculus* 14.5 g 167-74-18-12 fat inside
SKULL ONLY $43 \times 3 \times 2 \text{ mm.}$ B, K, L, H

3711 ♂ " 9 g 139-71-18-11 SV. 12 mm.
SKULL ONLY $45 \times 2 \times 3 \text{ mm.}$ B, K, L, H

3712 ♂ " 11 g 128+ - 53+ - 18-11 SV. 7 mm.
SKULL, parous B, K, L, H

3713 ♀ " 13.5 g 160-76-18-11.5
very fat. SI. scars clean - 3 rt, 2 lt. B, K, L, H av. 6/8 mm.

3714 ♀ " 12.5 g 165-80-18.5-11.5
SKULL ONLY B, K, L, H

3715 ♀ " 9.5 g 137-66-18.5-12
test. doc. 784 mm B, K, L, H ext. vivis.

3716 ♂ " 13 g 162-75-19-12 SV. 7 mm.
test. doc. 54 x 3 mm B, K, L, H st. vivis

3717 ♂ " 15.5 g 169-81-18-12.5 SV. 6 mm.
SKULL ONLY 2 scars of SI. scars.
av. 6/8 mm. B, K, L, H

3718 ♀ " 12.5 g 134+ - 50+ - 18.5-11.5
SKULL ONLY B, K, L, H

LIDICKER
1979

Kawaihae 2010, Hawaii Co., Hawaii ("Bull Sugar Store")

27 Aug (caught 23 Aug. by Q. Tomich)

		SKULL ONLY				
3719	♀	<i>Mus musculus</i>		9.5	145-73-18-11.5	BLKH
					multif.	
3720	♀	"	SKULL ONLY	13	169-82-18-11	fat
					test. disc., 6x3½" BLKH et. barbs	
						vis. 1.8
3721	♂	"	SKULL ONLY	13.5	168-80-19-12	S.V. 6"
3722	♀	"	"	14.5	161-76-19-12	fat,
						ov.
3723	♂	"	"	15.5	171-83-19-13	S.V. 10"
					test. disc., 6½x4" BLKH et. vis. 1.8	
3724	♀	"	SKULL ONLY	10.5	166-76-18.5-12	ov. varus
						inactive
3725	♂	"	"	15.7	169-80-19.5-12	et. barbs
						vis. 1.8
						S.V. 7"

28 Aug (caught 23 Aug. by Q. Tomich)

	160358	SKULL ONLY				
3726	♂	<i>Mus musculus</i> flat skull	12.5	test. disc., 6x3.5" BLKH et. barbs	165-83-19-12	S.V. 7"
	160359	SKULL ONLY		horns w/pl. scars	BLKH	ov. inactive
3727	♀	"	flat skull	13	156-75-18-11.5	fat,
	160360	SKULL ONLY		8 pl. scars (4+4)	BLKH ov. 4/5 in. med.	
3728	♀	"	flat skull	12	161-76-18.5-13	fat,
				horns w/pl. scars	BLKH ov. 4/4	
3729	♀	"	"	13	173-87-18.5-12	fat,
			SKULL ONLY	multif.	BLKH	
3730	♀	"	:	7.5	133-66-17.5-10.5	
				horns w/2 pl. scars (1+1)	BLKH ov. 4/5 cat's	
3731	♀	"	"	14.5	161-75-19-12.5	fat, vis. 1.8
			SKULL ONLY	multif.	BLKH	
3732	♀	"	"	8.5	136-65-18-10.5	
				horns w/pl. scars	BLKH	ov. inactive
3733	♀	"	"	13	161-77-18-11.5	

Kohala Estate Subdivision, 2 mi. N Kawaihae, 800 ft, Hawaii Co., Hawaii

28 Aug (caught 24 Aug. by Q. Tomich)

					BLKH	fat + pl. scars
3734	♀	<i>Mus musculus</i>	13	161-77-19-11.5		ov. inactive
				uv. 4/med. follicles	BLKH	multifollicles
3735	♀	"	17.5	176-83-19-12	uv. 4/5 scars	
		SKULL ONLY		test. 3½x2"	BLKH	et. int. vis.
3736	♂	"	7.5	138-68-18-11		S.V. 1"
				horns w/pl. scars	BLKH	ov. 4/5
3737	♀	"	14.5	178-83-18.5-13	fat,	ov. 4/5
				ov. 4/5	BLKH	ov. 4/5 med. follicles
3738	♀	"	13.5	172-81-19-12.5	fat,	ov. 4/5
			SKULL ONLY	hot disc.	BLKH	test. 3x1½"
3739	♂	"	9.5	142-69-18.5-11	et. w/vis.	
				test. disc. 7x4"	BLKH	S.V. 1"
3740	♂	"	15.5	169-81-20-12		

LIDICKER
1979
+
1980

Kohala Estate Subdivision, 2 mi. N Kawaihae, 800 ft. Hawaii Co., Hawaii

Aug. 28 (compld 24 Aug by Q. Tomich)

3741.	♂	<i>Mus musculus</i>	test. disc. 4x2 mm	BLKH	SV. 5 mm
3742.	♂	"	test. disc. 3x2 mm	BLKH	SV. 1.5 mm
3743.	♂	"	test. disc. 2.5x1.5 mm	BLKH	SV. 1 mm.
3744.	♂	"	test. disc. 4.5x2.5 mm	BLKH	SV. 2.5 mm
3745.	♂	"	test. disc. 3.5x2 mm	BLKH	SV. 5 mm
3746.	♀	"	lungs w/pt. scars	BLKH	ov. w/med. foll. + few ca's
3747.	♀	"	6 pt. scars in rt. lung, one in left. lung	BLKH	ov. w/med. foll. + few ca's
3748.	♂	"	test. disc. 4x2 mm	BLKH	SV. 2 mm.
3749.	♀	"	lungs w/num. pt. scars	BLKH	ov. w/med. foll. + few ca's
3750.	♀	"	flat skin 10.5 g	BLKH	ov. w/med. foll.
3751.	♂	"	test. disc. 5x2 mm	BLKH	SV. 4 mm.
3752.	♀	"	many pt. scars	BLKH	ov. w/eg. ca's + few foll.
3753.	♀	"	num. pt. scars: ov. w/ca's	BLKH	num. foll.
3754.	♂	"	test. disc. 3x1.5 mm	BLKH	SV. 5 mm.
3755.	♂	"	test. disc. 3.5x1.5 mm	BLKH	SV. 1 mm.
3756.	♀	"	test. disc. 4.5x3 mm	BLKH	ov. inactive
3757.	♀	"	many pt. scars	BLKH	ov. w/med. foll. + few ca's
3758.	♂	"	test. disc. 4.5x3 mm	BLKH	SV. 9 mm.
3759.	♀	"	many pt. scars	BLKH	ov. w/med. foll. + few ca's
3760.	♀	"	multifid scars	BLKH	ov. w/med. foll. + few ca's

~~-----~~ Russell Reservation, Lafayette, Contra Costa Co., Calif.

Jan. 27, 1980

3761.	♂	<i>Sorex ornatus</i>	test. 7x5 mm
			5.8 g. 107-37-12.5-8

LIDICKER
1980

5 km. N Mtito Andei, Kenya, ~2500 ft. (38° 10' E, 2° 40' S)

captured 6 Dec. 1979; died 14 Jan. (coll. by P. W. Sherman)
PWS #1004 + SKEL. nullip.; ovs. inactive

3762. ♀ *Heterocephalus glaber* 19.6 g. 128-38-21-1 K-L-H

Pt. Pinole, Richmond, Contra Costa Co., Calif.

April 18

3763. ♀ *Lagomys californicus* 99.8 g. 186-22-44-38 nullip. apparently abandoned; moribund

5 1/2 km. W, 4 1/2 km S Healy, 2400 ft., N. side Alaska Range, Alaska

11-13 May, 1979 (prep. 5 Sept., 1980) coll. by J. O. Watry

3764. ♂ *Sorex arcticus* skull only 10 g. 113-34-13-7 test. 5 1/2 x 4 in. lvs. penis acc. gld.

3765. ♂ *Sorex* skull only 8 g. 122-46-14-7.5 test. 5 1/2 x 4 in. lvs. penis acc. gld.

2650 ft.

June 10-11, 1979 (prep. 5 Sept., 1980)

3766. ♂ *Sorex arcticus* skull only 9.3 g. 117-39-14.5-7.5 test. 6 1/2 x 3 1/2 in. lvs. penis acc. gld.

3767. ♂ *Sorex* skull only 3 g. 91-32-11.5-6 test. 8 1/2 x 1 in.

3768. ♂ " skull only 3.1 g. 89-33-11-6 test. 4 x 3 1/2 in. lvs. penis

3769. ♂ " skull only 4.9 g. 95-33-11-6.5 test. 6 1/2 x 3 1/2 in. lvs. penis acc. gld.

3770. ♂ " skull only 4.4 g. 98-34-11.5-6.5 (prep. 6 Sept., 1980) test. 7 x 1 in.

3771. ♂ " 2+ g (pt. 1, eaten) 97-42-13.5-6

3772. ♀ " no visible ends 3.2 g. 87-31-11-6.5 test. 1 1/2 x 1 in.

3773. ♂ " skull only 3 g. 95-35-11.5-6 no ends, penis?

3774. ♀ " skull only 3.5 g. 91-33-11.5-7 no ends, penis?

3775. ♀ " skull only 3.8 g. 104-39-13.5-7 no ends, penis?

3776. ♀ " skull only 4.7 g. 92-25-13-7.5 test. 6 x 4 in. lvs. + large

3777. ♂ " skull only 5.4 g. 101-34-12-6 acc. gld. no visible ends; dark ovs. w/ lots of

3778. ♀ " skull only 13.3 g. 122-44-13.5-7 (prep. 8 Sept., 1980) prot. imm. c. 1. no visible ends; dark ovs. w/ lots of

3779. ? " skull only 2.1 g. 87-34-12.5-6.5 delayed no ends.

3780. ♀ " skull only 3.5 g. 96-34-12.5-7

LIDICKER
1980

5½ km. W, 4½ km. S Healy, 2650 ft., N side Alaskan Range, Alaska

June 10-11, 1979 (Aug. 10 Sept. 1980)

SKULL ONLY

3781 ♀ *Sorex*

SKULL ONLY

3.9 g.

91-34-12-6

no teeth; tons turbid, poss. w/seen.
fluid

3782 ♂ ..

8.1 g.

117-46-14-8

+ test. + acc. glands

25N ± ft.

Sept. 23, 1978 (Aug. 10 Sept. 1980) coll. by J.O. Wolff

3783 ♂ *Microtus m. m.*

16.5 g.

118-18-19-12

3x2½ in.

2100 ± ft.

April 30, 1979 (Aug. 10 Sept. 1980) coll. by J.O. Wolff

SKULL ONLY

3784 ♂ *Microtus m. m.*

19.5 g.

128-23-19.5-10.5

ft. gld. not visib.

2400 ft.

11-13 May 1979 (Aug. 10 Sept. 1980) coll. by J.O. Wolff

19.5 g.

125-21-19-11

ft. gld. 4x4 in (insect)

3785 ♂ *Microtus m. m.*

23.5 g.

125-21-19-11

ft. gld. 4x4 in (insect)

SKULL ONLY

3786 ♂ ..

23.5 g.

130-24-20-11

ft. gld. 4x4 in (insect)

SKULL ONLY

3787 ♂ ..

26.5 g.

142-21-19-11

ft. gld. 6½x5 in.

SKULL ONLY

3788 ♂

22.5 g.

128-22-19.5-11.5

ft. gld. 12 in (insect)

SKULL ONLY

3789 ♂

28.5 g.

136-20-20-11

ft. gld. 5x4 in.

2500 ± ft.

Sept. 24, 1978 (Aug. 10 Sept. 1980) coll. by J.O. Wolff

SKULL ONLY

3790 ♂

17.5 g.

121-20-19.5-11

ft. gld. 5x4 in (insect)

SKULL ONLY

3791 ♀

17.5 g.

118-18-18-11

multif.; ov. inact

2100 ± ft.

April 30, 1979 coll. by J.O. Wolff

SKULL ONLY

3792 ♂

18.5 g.

117-21-18-11.5

ft. gld. not visib.

2650 ± ft.

June 10-11, 1979

SKULL ONLY

3793 ♀

16.5 g.

120-20-19-10.5

ft. gld. shot visib.

SKULL ONLY

3794 ♂ *Sorex*

8.3 g.

117-43-13.5-6.5

+ acc. glands

LIDICKER
1980
+ 1981

5 1/2 km. W., 4 1/2 km S Healy, 2650 ft., N side Alaska Range, Alaska

10-11 June, 1979 (prop. 14 Sept., 1980)

3795. ♂ *Sorex* skull only 55 109-41-13-6.5 test. 2x1 mm
3796. ♀ *Sorex* skull only 9.1 g. 103-33-12-7 enlarged w/ 2 phos
8x11, 10x7 mm, active test. disc. 11x7.5 mm; st. v. 3.2 mm
3797. ♂ *Microtus m. m.* 44.5 g. 154-23-22-11 s.v. 16 mm

12 June, 1979 (prop. 14 Sept., 1980)

3798. ♀ *Microtus m. m.* 35 g. 143-24-20-10.5 lack. 20 phos
(prop. 15 Sept., 1980) test. 11x6 mm; disc. 10x6 mm
3799. ♂ .. 38 g. 152-24-19.5-12 s.v. 15 mm. 13x9 mm

10-11 June, 1979 (prop. 20 Sept., 1980)

3800. ♀ *Sorex* skull only 3.3 g. 94-35-12-7 no teeth, bone frags: ♀
3801. ♂ " skull only 4.4 g. 97-35-12.5-6.5 test. 5 1/2 x 4 mm.
3802. ♀ " 9.8 g. 120-43-13.5-7 avs. w/ cl.

1981

Briones Regional Park, Contra Costa Co., Calif.

Feb. 28

3803. ? *Urocyon cinereoargenteus* coll. by R. Baccus
~~Urocyon lotor~~ skull only

SeaWorld, San Diego, Calif. - born in captivity from parents
from Monterey area May 31, 1980 autopsied 8 July, 1981

+ muscle sample 50-943-81 test. 10 mm.

3804. ♂ *Enhydra lutris* 4.4 kg. (gutted) 855-190-161-23

Monterey area, Monterey Co., Calif. - picked up on beach

April 7, 1980

autopsied 8 July, 1981

3805. ♀ *Enhydra lutris* skull only carbox = 166 187-185-25

Piedras Blancas, San Luis Obispo Co., Calif. - picked up on beach

Mar. 25, 1981

autopsied 8 July, 1981

3806. ♂ *Enhydra lutris* skull, ventral & dorsal fur patches muscle 50-935-81 760-175-175-23



LIDICKER

1981

Monterey area, Monterey Co., Calif. - picked up on beach

Sept. 12, 1980

SKULL ONLY

50-842-86

autopsied 8 July, 1981

3807 ♂ *Enhydra lutris*

1.5 kg.

497-65-108-18

See Work, San Diego Calif. - born in captivity, known from

April 27, 1980

50-939-81

Monterey area

autopsied 8 July, 1981

3808. ♂ *Enhydra lutris*

0.8 kg.

400-90-71-12

Jan. 29, 1980

50-938-81

autopsied 8 July, 1981

3809. ♀

SKULL ONLY

" "

0.8 kg. (gritted)

" Jenny's pup "

466-100-94-11

Dec. 16, 1980

50-941-81

autopsied 8 July, 1981

3810 ♀

SKULL ONLY

" "

0.84 kg.

full sib. of 3809.

412-90-82-10

Dec. 06, 1980

50-942-81

autopsied 8 July, 1981

3811 ♂

" "

0.85 kg.

447-97-80-9

Chochotawska Polana, 1150 m., 10 km. W, 6 1/2 km S Zakopane, Tatras Mts., Poland

16 Sept.

3812 ♂ *Sorex*

8 ± 5. (found dead)

127-24-14--

test. 1 1/2 mm.

3813. ♂ *Apodemus flavicollis*

26 ± 5.

216-111-27-20

Kościelisko, 950 m., 3 km W Zakopane, Poland

17 Sept.

3814 ♂ *Mus musculus*

P, H, K, L. + 2 karyotypic slides

16 g

test. 8 mm. SKULL

167-78-19.5-13

3815. ♂

P, H, K, L. + 2 karyotypic slides

14.5 g

test. 6.5 mm. SKULL

169-80-19-13.5

3816. ♀

P, H, K, L. + 3 karyotypic slides

12 g

heavy ex. pl. scars + old c. l. SKULL

161-75-18.5-13.5

Obrochtówka, 1000 m., 6 km. W Zakopane, Poland

Sept. 17

3817 ♀ *Mus musculus*

P, H, K, L. + 3 karyotypic slides

8 g

nullip. SKULL

145-72-19-12.5

3818 ♂

P, H, K, L. + 3 karyotypic slides

15.5 g

test. 7.5 mm. SKULL

167-76-19-14

3819. ♀

" "

16 g

no entr. test.

175-79-19-13.5

LIDICKER
1981

Roztoki, 1020 m., 7 1/2 km. W. Zakopane, Poland

Sept. 17

3820. ♀ *Ajodemus flavicollis* 30g. 234-116-26-17.5 spl. scars lichen, one old scar in rt.

Polana Chochołowska, 1150 m., 10 km. W, 6 1/2 km. S Zakopane, Poland

Sept. 18 (killed Sept. 19)

3821. ♂ <i>Ajodemus flavicollis</i>	37.5g.	237-115-27.5-18
3822. ♂ " "	30.5g.	228-111-28-19 faint pl. scars only
3823. ♀ " "	33g.	230-114-25-18 faint pl. scars, flaccid
3824. ♂ " "	34.5g.	240-117-28-19

Turek, 38 km. S Poznań, Poland

Sept 22

3825. ♀ <i>Mus musculus</i>	9g.	multipl. 149-70-18.5-13
3826. ♀ " "	11g.	no early multipl.?
3827. ♀ " "	11g.	no early multipl.?
3828. ♀ " "	10g.	162-77-19-13
3829. ♂ " "	11g.	test. 6.5mm, s.v. 5mm
3830. ♀ " "	11g.	156-70-18-12.5 no early multipl.?
3831. ♀ " "	10.5g.	157-72-18.5-13
3832. ♂ " "	9.5g.	152-68-18.5-13.5 test 7mm, s.v. 2mm
3833. ♂ " "	11.5g.	148-68-18.5-13
3834. ♂ " "	9g.	151-69-18.5-13.5 test. 7mm, s.v. 3mm
3835. ♀ " "	13.5g.	144-67-18-13 6 pl. scars 13. tapeworm cyst in liver
3836. ♂ " "	10g.	169-73-18.5-13 test. 7mm, s.v. 2mm
3837. ♂ " "	9g.	147-66-18-12 test. 6mm, s.v. 2mm
3838. ♀ " "	12.5g.	137-60-18.5-12.5 no early pl. scars
3839. ♂ " "	9.5g.	160-69-19-13 test. 6mm, s.v. 5mm
		157-70-19-13



LIDICKER
1981

Turaw, 38 km. S Poznań, Poland

Sept. 22

3840.	♂	P.H., L.K. skull	test. 7 mm., S.V. 6 mm.
		Mus. muscular	161-72 - 19-14
		P.H., L.K. skull	test. 7 mm., S.V. 9 mm.
3841.	♂	"	173-76 - 19-13.5
		P.H., L.K. skull	multipl.
3842.	♀	"	152-69 - 18.5-13
		P.H., L.K. skull	test. 7 mm., S.V. 2 mm.
3843.	♂	"	153-72 - 17-12.5
		P.H., L.K. skull	no teeth, pl. scars
3844.	♀	"	167-74 - 18.5-13.5

Tużę, W of Dąbrowa Lesina, NW of Warszawa, Poland

Sept. 26

3845.	♀	P.H., L.K. PHLK	+ chom. + chom.	no teeth, scars, tub. sym. mod. open 31 g. 175-49 - 22.5-14
3846.	♂	"	"	test. 4 mm. 255 g. 161-43 - 23-13.5
3847.	♀	P.H., L.K. PHLK	+ chom. + chom.	multipl. 14.5 g. 124-26 - 17.5-10
3848.	♂	"	oculomotor	test. 3 mm. 22 g. 151-41 - 22.5-13
3849.	♂	PHLK	" + skull	test. 3.5 mm. 22.5 g. 153-43 - 21.5-12
3850.	♀	PHLK	"	no teeth, scars, sym. open 31 g. 162-43 - 21-13
3851.	♀	PHLK	" + skull	multipl., jaws found 18.5 g. 151-39 - 21-12
3852.	♀	PHLK	"	no teeth, scars, tub. mod. sym. 41 g. 185-52 - 22-13
3853.	♀	PHLK	" + chom.	no teeth, jaws, tub. not. sym. 41.5 g. 192-53 - 24-13.5
3854.	♂	PHLK	" + chom. + skull	test. 2 mm. 19.5 g. 143-39 - 21-11.5
3855.	♂	PHLK	" + chom. + skull	test. 3 mm. 22 g. 154-43 - 21.5-13
3856.	♀	PHLK	" + chom.	no teeth, scars, tub. mod. sym. 38.5 g. 185-54 - 22.5 - 15

Sept. 27

3857.	♂	PHLK + skull	test. 3 mm.
		Micromys oeconomicus	142-37 - 21-11
		.. PHLK + skull	test. 3 mm.
3858.	♂	PHLK + skull	149-42 - 21-11
		..	test. 3.5 mm.
3859.	♂	PHLK + skull	151-41 - 21.5-13
		..	test. 3 mm.
3860.	♂	PHLK + skull	136-38 - 21.5-11

LIDICKER
1981
1982

Tuże, W of Dąbrowa Leśna, NW edge Warsaw, Poland

Sept. 27

	PHLIC + skull		
3861.	♀ <i>Microtus oeconomus</i>	15g.	mult. j. j. j. found 133-35-21-12
	PHLIC + skull		mult. j. j. j. found
3862.	♂ "	19g.	147-41-21.5-13
	PHLIC + skull		mult. j. j. j. found
3863.	♀ "	13g.	128-29-19.5-11
	PHLIC + skull		test. 4mm.
3864.	♂ "	21.5g.	155-42-22.5-13

Sept. 23 (coll. by R. Andrzejewski:)

3865.	♂ <i>Microtus oeconomus</i>	skulls matched by size	Nevada Co., Calif.
3866.	♂ -		
3867.	♀ <i>Microtus</i>	36.3g.	181-65-22.5-14.5
	1.8 mi N, 0.4 mi. E Chilcoot, 5500 ft; Plumas Co., Calif.		

Oct. 18

3868.	♀ <i>Dipodomys panamintinus</i>	70.0g.	296-166-45-13.5
<u>Hastings Natural History Reservation, 2100 ft, Monterey Co., Calif.</u>			

Nov. 21

3869.	♂ <i>Peromyscus maniculatus</i>	14.5g.	158-70-20.5-16.5
	SKULL ONLY	chaperone time #18	test. 8x5mm. SV. 3mm.
3870.	♂ <i>Peromyscus truei</i>	25.3g.	218-112-25-23

25

3871.	♂ <i>Peromyscus truei</i>	18.1g.	176-85-24-23
-------	---------------------------	--------	--------------

Grizzly Island, Solano Co., Calif.

Feb. 25, 1982 (coll. by U; R:H.)

3872.	♀ <i>Sylviagris</i> (nestling)	39.5g.	found dead	Acc. only
3873.	♀ "	(nestling)	36g.	found dead

Lidicker, (e) Z.

1979 - 81

Journal

Calif

Hawaii

Alaska

Finland

Norway

LIDICKER
1979

Coyote Hills Regional Park, Alameda Co. Calif.

Feb. 10 - 2nd. 107 A clear full trip. 08N-12N.

Very foggy. Birds of special note: Sora Rail - heard 2, Say's Phoebe - 2

L. N. Marsh Wrens were singing vigorously. Yellowthroats
were back but not singing ($\sim 3 + 3 + 1$ seen)

Jewell Lake, Tilden Park, Contra Costa Co., Calif.

Feb. 11 - Short walk around Jewell Lake, 15N-1600

turn of 3 bird species of note:

Rig-necked Duck - 2♂ + 1♀

Winter Wren - 1

Sora - 1 ad. ~~adult~~ was walking in open along
a log on edge of lake. It seemed very tame & came to
within 15 ft. of us. It was feeding back & forth along
the log & shore, & at one point swam \sim 2 ft. from the
log to shore. A number of Mallards & Coots were swimming
about in the vicinity.

Hawaii Trip

March 18-24

with NLC

March 18

Left SF. airport for Honolulu 0900. Transferred
to Aloha Airlines for a 38 min. flight to Hilo,
Hawaii Co. While waiting in the Honolulu Airport
saw following birds: House Sparrow, House Finch, Indian
Myna, Spotted Dove. Arrived 1410 1445 (Hawaiian



LIDICKER

1979

18 March cont.

Time). Rented Budget-Rent-a-car (Toyota Corolla) privately arranged by travel agent. Went in to Hilo to buy groceries & 2 styrofoam coolers (\$2.99 ea.). Drove N toward Honokaa. Took short side trip to see Akaka Falls. Left at 7 a.m. Arrived at Tomich's home (Quentin and Caroline, younger son Peter) at 1840. Had dinner, visited his lab & stayed overnight.

Birds seen since arriving in Hilo: Spotted Pigeon, Barred Dove, Horn Sparrow, Golden Plover (1 seen just starting to molt in spring plumage & 1 completely changed), Cardinal (saw singing ♂♂ at Akaka Falls), Indian myna (com.), ~~House Finch~~, 1 small yellowish bird at Akaka Falls - possibly Zosterops. Naomi saw a white-tail N shrike on floor in approaching Hilo.

March 19

Went to Quentin's office to work on putting together some Japanese-style dom-shaped sun tops & to pick up some other sun tops which we are borrowing. About 10:00 headed for Waimea with Quentin driving a stake truck. In Waimea we bought some more groceries, & headed SW on Highway 190 to "saddle road" (20.20). Climbed in at Manea Kee State Park (6500 ft.), Polakulua area, at 1200 (elevation 5). Curious manager is Clyde Saragosa. Had lunch & then went to the Fish & Game facility adjacent to

LIDICKEN
1879

March 19 cont.

(game bird farm)
The Parker Ranch is managed by Al-fat Lee & is famous
for its successful cultivation of Nene geese.
Currently it is trying to breed Hawaiian Crows in
captivity as only about 100 individuals remain. Got
permission to trap in the area. Then we drove to
the Univ. of Hawaii facility at 9²⁵000 ft. with
series of telescopes on mountain top. (Hale Pohaku)
area). From 15W-16W set 50 traps - 2000 m.
33 by. Shrimps (but outside & passed butter) & 9
Japanese traps (but coconuts with small ports & passed
butter) were set around & under buildings. 8 by. Sh.
butter and 10 ~ 9400 ft. - Manane (Sophore
chrysophylla) found. This scrubby lignum vitae was
abundant just & a few in bloom - very rare at
6500-7000 ft. Then we went to the Pohakuloa
& set 40 Jeff. style traps (sand hills). 19 were set
along the fence & the rear (N. side) of the sanctuary
& 21 inside (including 6 inside a pen of Hawaiian
Ducks). About 2100 saw over 1000 across road
near cabin.

March 20

checked traps at game bird farm:

19 day pens - 1 Rattus rattus - about 3 years; gray
with white belly; given to Paul Breen to send
to Honolulu for disease check.

Mus - 3 alive & 1 dead

21 inside sanctuary - Mus - 4 alive, 4 dead

L'DICKSON

1979

March 20 (cont.)

Then went to Hale Pohaku.

9400' - 1 mus

9200' - 7 mus

Only could locate 41 of the traps at 9200'. Left at 1025 for H-10. Picked up 50 lbs of dry ice at Gaspro Co. that Tomich had ordered for us (it has to be flown - from Honolulu). Bought some more groceries, had lunch, & headed back for Pohakuloa about 1300.

Worked until ~1600 processing mice. About 1615 left for Hale Pohaku. 1700-1730 checked & rebaited 8 traps at 9400 ft. & added 1 more Sh = 9. Saw a mus along trapline. It had hatched heavily - open and round w/ mouth (down thruff from saddle not long white & slippery for considerable stretches). Hair was filled largely - place and around Hale Pohaku most mananii trees had hair accumulated under them & some of our traps were sitting - laid. This time we found all traps set at 9200', & set a few new ones.

Totals: 32 Sh. + 12 down style = 44, but 2^{sh} containing mice so only 42 left set. By the time we got back to Pohakuloa it was dark. Checked traps & then did not give up dark by the time we got home. Located 11 down traps inside (6 inside a den of Hawaiian ducks were by cloud). Caught one likely mus & it was dead (probably got soaked from rain). Also found, we found 14 of the 15 traps still set there & caught 1 dead mus. Proceeded onwards until very late.

25 Hawaiian
Ave., H-10
935-3344

LIDICKER

1979

March 21

Checked traps at Game Farm first. Our catch was 1 dead baby Mus. Reset some of Naomi's line of 11 domes into better locations. Nothing else found. Then we went to Hale Pohaku. At 9400 ft., we caught 8 Mus (alive); nothing in all the other traps. Set 2 additional Sherm's below the latrine + 2 additional dome traps around - rock house. Presented 1 sort of rice before lunch. Continued work until 1500 when we went to Game Farm to work on our traps. Removed 6 dome traps from duck pen when they had been reset. Put 4 of them around outside of the pen + 3 more around pens on N. side of "farm" including pen with friendly Hawaiian cow. Naomi pulled 2 dome traps from her line of 11 leaving 9. One of crew at rare bird facility gave us a catch-all trap which contained 8 dead Mus + 1 live one. This gave total of 16 traps inside the facility. Along the N. fence, we checked our 19 traps + had 1 Mus + 1 closed + empty trap. We moved last 3 traps - due to new locations + set 2 Sherman traps between dome traps. This gave total of 20 traps set here or 36 for the facility.

Went to Hale Pohaku. At 9400 ft. (1630-50). Ripped trap picked up this Am with dome trap = 9 hrs. Took several photos of Mus habitat here. Recalibrated altitude at 9200 ft., mostly removing traps from under buildings + setting them - because tree clumps nearby. Added 2 dome traps + Naomi's line of 10 ~~other~~ and rock house. This gave

LIDICKER

1979

March 21 cont.

total of 43 traps at 9:00! Caught 1 Mus + 1 Passer domesticus[♂]
(Hale Polaka means lower of rock; Polaka loka =
long rock; Mauka loka = long mt.; Mauka kea = white
mt.). Set 6 down traps in the clearing near cabin (1 in Chiono-
^{at 1830}hut hut clearing).
Proceeded home mice after dinner. 2130-2210 we

were trapping at the new bird facility. Inside had
6 Mus + along fence 1 Mus - all alive! (3 of them died 4/10 next AM)
traps were replaced + others not giving total traps
set 214 inside + 19 along fence = 33. Checked 6
traps set near cabin 2215-2230; nothing. Trees
and cabin are nearly ~~the~~ "mais" at base.

Seeds of the latter we seen scattered on the ground
everywhere (they are orange + conspicuous).

March 22

According to Paul Breese it was 28°F at
the "fan" during the night. Some of the duck ponds
were frozen over. Traps inside: 3 alive Mus + 2 dead.
Pulled 3 traps leaving 30. The catch - all traps had
nothing. Along N fence caught 2 Rattus rattus
which we gave to Paul. Pulled 6 of these traps
leaving 13. We continue to be amazed at how
mus from here die quickly - traps from elsewhere which
we have no idea how + single come at Hale Polaka
where it is much colder + we have not checked the
traps at 2 a.m.

Hale Polaka: 9400 ft. - Caught 3 Mus; set out 4
down traps giving 9-3+4 = 10 traps.

LIDICKER
1979

March 22 cont.

9250 ft. - Caught 3 Mus or so we thought, additional
ind. not turned up - who we thought was an empty
trap later - day. This individual (wt. \approx 3650) could
conceivably have been mixed up with #3649 from Polakenoa.

Set 2 additional dome traps giving $43 - 3 + 2 = 41$ traps

Proceeded with until 1500. Checked traps
at Polakenoa 1500-1530. Inside facility caught
3 Mus. ~~Goaney~~ 4 dome traps to Paul Bruce to set
+ 1 SL giving $13 - 3 + 5 = 15$. Nothing in fence line
or adjacent to 13 traps ^{total} = 28 for Polakenoa. ~~1 dome~~
~~1 dome~~ Talked to Barbara Lee + used Fish + Game
phone to try (unsuccessfully) to call Q. Tonick, + to
order more dry ice from Gaspro - Hilo. Our 50 lb.
supply had virtually vanished by this time, + we
moved our frozen materials into the refrigerator freezer
compartment. Drove about 7 mi. NW on road to
Waimea + returned, going on to Hale Polakenoa. At
9400 ft., added 3 Shrews to line giving 13 traps at
this site. At 9250 ft., caught 2 Mus (1 SL + 1 dome).
Set 1 additional SL giving $41 - 2 + 1 = 40$. Checked
6 traps near cabin + had 1 Mus (just after dark) leaving
5 traps here. ^(#3648)

Total traps set: $15 + 13 + 13 + 40 + 5 = 86$.

Proceeded with - evening. Quentin Tonick showed
up unexpectedly ~ 2130 to spend the night with us.
2200-2245 - Checked traps at Polakenoa. Paul was
waiting for us at the cabin to help us move the traps.

LIDICKER

1979

March 22 Con't

Caught 5 live mus inside & soon along fence. Kept the mice warm at night by placing them next to fire place in cabin.

March 23

Got up 0630

Very cold again overnight. (Quinton left us ~0800 to go back to Honokaa; took about of extra equipment & traps with him so we would have less to carry tomorrow. Picked up all traps. Pohakuloa: inside facility had 6 mus (2 in 1 trap) - all were alive although 1 was moribund as Paul had picked up traps at 0600 & placed mice under heat lamp in kitchen of station. Left 1 SL. & 10 down traps with Paul. Had 1 dead mus in trap along fence.

Hale Pohakuloa - 9400 ft - 2 alive & 1 dead mus in down trap. 9250 ft - 1 alive ~~1~~ (down) & 1 dead mus (SL. trap). This is the first time we had any mice die in traps at this location. 3 traps were closed & empty. Nothing in 5 trap near cabin.

Procured mice. At 1130 went to Lee's Lava & called Gaspar again about dog; an arrangement & left message with Island Airlines which is freight company flying dog/cars from Honolulu that we would pick it up Sat. (Mar. 24) at 1200. Also called Caroline Tonich.

Procured car & all the rest of the day. Paul Bresser showed up for dinner bringing a dog. After dinner we called Caroline Tonich; this time successfully. Procured mice & packed gear in evening. ^{WIC #230 is possibly} ^{mother of ~4 eggs in cage} ^{caught - trap at P.}

LIDICKER

1979

March 24

Got up 0700, packed & cleaned cabin. Left 0930 for Honokaa via Waimea. Returned atlas of Hawaii to Barbara Lee on way over. Arrived Honokaa ~10:55. Left traps & other gear with Caroline Tomich & said goodbye to her. Left there 11:06 & headed for Hilo. Arrived at ^{terminal} freight ^{terminal} at 12:04. Island airways agent was waiting for us with the dry ice. This time it was now completely packed in two styrofoam containers. We needed only $\frac{1}{2}$ of 1 cu ft to pack our specimens. As we were out of dry ice at the cabin, we had used ice blocks to pack our specimens for transport to Hilo.

Had lunch at Hart's on Banyan Drive. Drove briefly S to Onekakaha Beach, & then checked in at airport. Got gas for our rent-a-car, returned it, & just made our flight out at 15:20. Non-stop to San Francisco, arriving about 2145. Drove home via the Univ. to leave off our frozen specimens. Arrived home ~2320.

Saw a mongoose run across Highway 204. N of Hilo & a second one near Banyan Driv in Hilo.

Autopsy Data on Mus from Polakulua which were dead in traps:

March 25 -

♀ 5.5g. buff-bellied

♂ 12g. " " : test. 5.5x3.5 mm., sv. 9 mm.

♂ 9.5g. dark-bellied : test. 4x2 1/2 mm.

♂ 15.5g. " " : test. 7x4 1/2 mm., sv. 10 mm.

Feb. 8
Satellite Rd
& Highway 190
S. of Waimea
is 53 mi.
from Hilo

LIDICKER
1979

Mus-antogay cont.

♀ 6.5 g. dark-billed

♂ 14.5 " " ; test. $6 \times 3\frac{1}{2}$ in., S.V. 9 in.

March 21 - (three birds - 1 male for being crypto alive)

♀ 15.5 g. dark-billed; old pl. scars

♀ 16.5 g. light-billed; 5 web. $\times 8$ in.

♂ 14.5 " " ; test. desc.

March 22 -

♂ 5.5 g. light-billed

♂ 13 g. dark-billed; test. 6×4 in., S.V. 7 in.

♂ 10.5 g. " " ; test. 5×3 in.; S.V. 3 in.

♂ 14 g. " " ; test. 6×3.5 in. desc.; S.V. 8 in.

March 23 -

♀ 16 g. dark-billed; plac. scars, N. and.

♂ 8.5 g. light (light)-billed; test. 4×2.5 in.; S.V. small.

Bird list for Island of Hawaii (see also notes for 18 March):

unidentified tern (seen by N.I.C.) - March 18

Hawaiian Duck - captivity Pohakuloa

Laysan Duck - "

Mallard - " "

Nene - " "

Hawaiian Crow - "

Golden Plover - com (seen a few to ~ 8000 ft.)

Com. Myna - com. (seen a few to ~ 7000 ft.)

* Barred Dove - ~ 5 (H:I:O)

Spotted Dove - 20+ (H:I:O + Hamakua Coast)

Horn Sparrow - abud. around Kohala, seen a few to 9300 ft.

Hawaiian Finch - com. " " "

LIDICKER

1979

Bird List cont.

Waxwing S. Verbinski (Lorchaea malabarica) - may have

seen a large flock of them on road to Hale Pohaku

at ~ 7000 ft.; possibly were L. punctulata

* Ricebird - (Lorchaea punctulata) - 10+ individuals

possibly seen on rd. to H. Pohaku, see above.

Cardinal - com. along Hamakua coast

* Hawaiian Hawk - 5 - 1 ad + 2 lt. phase birds on W
side of Mauna Kea (mi. marker 44 from Hilo on Saddle Rd.).

2 lt. phase along Hamakua coast, one at 25 mi. N Hilo,
+ other ¹⁸ mi. ^{from Hilo} ~~from Hilo~~ over large gulch.

European Starling - com from Waimea, along Saddle Rd
up to Hale Pohaku Rd. to ~ 7500 ft.

Chukar - saw one on road every trip up + down to
Hale Pohaku

Cat. f. Quail - about around Pohakulon + seen flying all the
way up to Hale Pohaku; once seen together with Chukars

Ridge-backed Pheasant - 1 (near Waimea)

Japanese Quail (Coturnix) - 1 SOR ~ 7000 ft. on rd.
to Hale Pohaku.

* Gray Francolin (Francolinus fulicristatus) - 1 juv. H. Pohaku

* Black Francolin (F. francolinus) - 2 ♂♂ ~ 4 ♂♂
^{respectively} mi. W of Pohakulon on Saddle Rd. (Mar. 22)

Turkey - 2 ~ 8000 ft on H. Pohaku Rd (Mar. 21)

Rock Dove - 2 (both white) in H:10 + 2 possibly also
seen on Waimea airstrip.

Mockingbird - 1 (Pohakulon)

* Japanese White-eye (Zosterops) - 2+ (1 singing on Hale

LIDICKER
1979

Bird List cont.

Pohakuloa (~8000 ft.), 1st to Pohakuloa + 1 family
seen at Akaka Falls on Hamakua Coast.

Red-tailed Laniarius - 3 (2 at Pohakuloa + 1 at 9400 ft
above Hale Pohaku) - heard & calling notes.

Elepaio (Chasiempis sandwichensis) - 1 (Pohakuloa);
not seen well, too good enough for identification: noted
white-tail feathers + was only bird in our experience in
Hawaii to respond to squeaking.

Amakihi (Loxops virens) - heard singing & calling
frequently from Pohakuloa to 9400 ft above Hale Pohaku;
a male of brief glances has seen well only once.

Afapane (Himatione sanguinea) - 4+ all seen
on lava between Pohakuloa + turnoff to Hale Pohaku.
One bird was singing while perched & flying & circled
around like it had a territory covering several areas of
new lava (pahoehoe-type).

107 Class

Livermore - Corral Hollow Field Trip - 107 class

June 4

(Alameda + San Joaquin cos., Calif.)

Microtus seen to be moderately L.P. in this region.

Sev. were seen, many more heard in the dry grass, + 1
yng. ad. ♂ was caught at the base of the Castle Rock cliffs.
We also caught 1 Reithrodontomys, at dusk on the top
of Castle Rock + about 4-5 yrs. Peromyscus were seen
(2 caught) along base of cliff. Fox scats found + 1
coyote head collar. St. H. Owl - 1 ad. + 4 nests flooded yng. on
Castle Rock; 1+ Barn Owls + 3 abandoned eggs.

LIDICKER

1979

Alaskan Trip

8-14 June

June 8

Left S.F. airport on Alaska Airlines at 1640. Saw flights stopped at Seattle & Anchorage before arriving in Fairbanks ~ 2145 (2345 PDT). Jerry Wolff met me at the airport & we went to his apartment in town. Very hot night with little breeze.

June 9

Went to INF after getting groceries & got vehicle & equipment for trip to Mt. McKinley Natl. Park & vicinity. Got to Healy at 1130 when we stopped for a cup of coffee before driving off to west on Otto Lake road. This is just N of Mt. McKinley Natl. Park. Continued about 1 or 2 mi. past Otto Lake winding up on a steadily deteriorating trail into the foothills & subalpine vegetation. This brought us to the new study area where Jerry has been periodically trapping for Microtus m. m.. This is third trip since early April on top of 3 or 4 last summer, starting in July.

Saw a grizzly bear in low part of study area. Jerry had set 3 traps this yesterday with Joanne Cowley & Dot Mowry. He checked these lines (248 snap trap - mixture of mus. sp. & me 6:11, 3 birds with peasant butter & oats) while I hiked up to alpine vegetation above the trapline. The transition between subalpine & alpine is gradual, like dwarf birch, willow, alder & few scrubby spruce gradually dropping out. I set

L DICKER

1979

8 June cont.

U-shaped traps (102 McMillan traps). There were also 2 at a trapline with sides 30 ft or more apart. The two traps were 2-12 ft. from each other.

Microtine sign was almost non-existent. For the majority of trap sites I dug into the thick snow & saw a "runway" 4-10" below the surface. A few traps were by known entrances, but nothing looked definitely fresh.

Went back to Healy where we had lunch, visited Jerry's Healy gas station. Then we went up McKinley Park to Savage River Camp where the INF trailer was parked & Joanne Carly was waiting there for us. While setting traps it was hot, with no wind, & swarms of mosquitoes. As we arrived at camp it started raining hard. It let up later & we cooked our dinner on an open fire. Later that evening it started raining again & continued all night. Jerry & I worked on manuscript - evening.

At trapping we I took 3 photos, the first looking back at Otto Lake. Several Lepus americanus seen on drive down from Fairbanks. Tamiasciurus hudsonicus seen around Park.

June 10

Overcast with rain: heat shows & much cooler. After breakfast we drove further into Park going through Sable Pass to next river (East Fork) before turning back. Mammals seen: Caribou - 10 (7+3); moose (2 ♀'s alone near sign & together); Dall

LIDICKER
1979

Jun 10 cont.

Skunk - 1 ♀, Lemmus americanus - 1, red squirrel -
several; Spilogale putorius - several. No bears!

Then we drove to our study area arriving ~
elev. range
8 traps =
2500-2800
ft.
1200. Checked traps (total of 350). I had only 4
Clethrionomys m. m. : traps #s 6, 12, 13, + 51.
All were from traps under moss except for 1 ♀, ♀ taken
in short open sunny locality to burrow entrance - at base
of mound w/ lots of dwarf birch. It was surprising to
me to get Clethrionomys - such open alpine vegetation.
It had rained also since the traps were set + 3 of my traps
were flooding out another 15+ were sprung apparently from
the rain. As I checked my last trap I noticed Jerry
waving at me from the car (see. Thomas fo. any). I looked
back + saw a large Grizzly Bear walking toward me
about 300 m. away (Jerry said he seemed to have been
stalking me for some time). After he saw me look at him,
he seemed to lose interest - following me + walked off
along the ridge. This is possibly the same bear we
saw in the area yesterday. Took photos as follows:

2 of trap line area from side #1

1 of trap-side #6

1 from top of study area looking down

I looking back toward bear

scr. of subalpine vegetation

About 1430 was to Jerry's Hotel Ste. again for
lunch. Then we returned to Fairbanks, left equipment
& specimens at INT + organized our gear for

LIDICKER

1979

June 10 cont.

trip to town to Hess Creek. Got back to Jerry's
apartment at 1800. Dropped down off at IAB.

June 11

Got to INF at 0705. Picked up station wagon +
Bob Mowry, + Michelle Abare (from INF), + Libby
Silberling from IAB + Joanne Coney (picked her up at her
home + Goldstream Rd.). Drove to Hess Creek field
area. It has rained all morning + a little in
afternoon too. Cool ($\sim 45^{\circ}\text{F}$) + strong winds all day. The
weather minimized the trip to northern + Hess Creek
We arrived at the study area about 1100. Went to
grid + started digging up nests of M. xanthognathus.
Michelle + I set 16 fy. Sherman trap traps, baited
with oats.

Moderately M. x. sign on grid + surrounding area,
especially heavy in vicinity of creek which is lower than
the meadows. It on many found cuttings of
Mertensia (bluebells), Vaccinium, and Arctostaphylos
uva-ursae. Sign extended on W side of creek at least for
20 yds from creek. Population is heavily down-stressed from
last year. In our nest, found 5 nestlings - eyes scarcely
open, about 10-12 g., + 37°F + 28°S . Lateral air duct
was seen entering the lower system when they were replaced.

At ~ 1200 we went back to car to fix a
flat tire and have lunch. We had some trouble fixing the
tire as the car rolled off the jack + is trying to get
the car back on the level part of the road, the wheel cover

LIDICKER
1979

June 11 cont.

To the back car N & we had some difficulty getting it back on. Then we found that the spare tire wheel did not fit on the 5 wheel bolts. A State Police van happened along & loaned us a file which we used to enlarge the bolt holes in the spare tire wheel so that we got it on. As it was cold & windy we went to the Alyeska trailer on the side road (to campsite 200) ^{to W side} and the our truck on its leeward side. Took several photos ~~of~~ ^{of} ground.

Continued digging for nests on grid after break. Then we went to 27 mi. side and dug for nests there. M. x population is definitely down there, being restricted to the steep creek banks. We heard them there and found an active mound. No nests were found in R. s. over, lower. Above the creek banks, the litter is quite dry with little suitable food for M. x. Rosebushes thick and blooming nicely. Took pictures of 2 ♀ this habitat. Returned to 28 mi. (grid side) and looked for nests on the N side of the road. This is the area in which M. x was abundant in 1975 and relatively common in years thereafter. Now few signs is pretty much restricted to the small creek directly opposite the grid. Voles heard here & lots of fresh sign. Several nests found. Left about 1530 for drive back to Fairbanks.

We brought back a total of 15 nests: 7 winter, 6 summer & winter combination, 4 summer only.

LIDICKER
1979

June 11 cont.

In the process of collecting these nests for a parasitologist - Rockhouse (Glen Haas), we dug up a lot of burrow systems & found tunnels empty ^{with} & cache cavities. Burrow systems are very complex, & I posit. Initially the advantage of nest systems and back grous. clumps. They go down to permafrost & at 22-23 in. is about 1 ft. below surface of litter. Burrows and cache cavities seem often to be located in just in zone over litter (mostly moss) nests the soil, and a gap is easily found. Large cavities, now mostly completely empty, were often found under the shallow nests of a dead spruce which may be partially tipped over or laying on the ground. In a few cases, nothing remains of a winter cache & nothing was found. A good place to look is when moss has grown up over a tangled ^{mass} ~~mass~~ of downed branches & over moss. ^{Two} Cache cavities were about 6" high but with a diameter of at least a meter and had sand possibly buried coming into them. No winter nests was found in these cases, so it was not possible to tell how these related to winter. Summer nests were of dry grass, ~~as~~ often shallow, or even on top of winter nests. Some were open on top like a bird's nest & others were covered. One that I found was in a side burrow about 6" off of a large empty cavity & at the same depth.

We arrived back - Fairbanks about 1815. Stopped

LIDICER

1979

June 11 cont

at Iron Jack's, on Goldstream Rd. for a drink before going back to INF & then home. Jerry & I went to the Blue Dog Inn for a pizza instead of cooking dinner. 5:11 overcast, windy, & intermittent rain - afternoon & evening.

June 12

6:00 to INF by 0800. Got Bob Mowry off to go picking up traps at Healy; he left about 0900. Worked until ~1500 autopsying samples of small mammals caught at the Healy - Otto Lake study area since 15 July 1978. This site varies in elevation from 2000 to 2800 ft., although traps set at the lowest elevations caught nothing. The site is 1½ to 2 km. N of the Mt. McKinley National Park boundary, and is on the slopes SW of Otto Lake. Locality for specimen labels worked out as: 5½ km. W, 4½ km. S Healy, N. side Alaska Range.

Then we worked on data analysis for rest of afternoon & into the evening.

June 13

Autopsied specimens brought back by Bob Mowry yesterday; he got back ~2030. This took most of morning. Analyzed data, talked with Jerry Swartz for about 20 min., & worked on manuscripts with Jerry Wolff. ~~Then~~ Went to dinner with Jerry & Joann Cowley. Then Jerry & I went back to INF to continue working. Mowry picked up all our traps at Healy yesterday, & reported that

LIDICKER
1979

June 13 cont.

10-15% were sprng. Several were missing, although I found all of the 102 that I had set. On trip was constld a bad \leftarrow bear canine infection - on wood base. He did not see the bear, however.

Got to bed quite late.

June 14

Got Alaska Air flight out of Fairbanks at 0700. I had arranged for Dan Golding to meet me in Anchorage & deliver some ^{tissues} ~~specimens~~ (seal lions from Bering Strait & 1 sea otter). However, he did not show up. The flight was stopped - Seattle. I finally got back to S.F. about 1550 & got a 1635 Airport Commuter bus to Berkeley. Naomi met me at the Durwood Hotel, & we went directly to MVZ to leave off the frozen specimens I was carrying.

Bird List for the Trip:

Arctic Loon - 1 (seen 9th & 10th at Otto Lake)

Long-tailed Jaeger - 2 (met)

Common Golden-eye - 2+ (OL)

Barrow's Goldeneye - ~6 birds seen (OL) on 9th but only seen flying away; they had Golden-eye wing pattern, but all black backs; could not find them on 10th.

Br. Murreland - 6 (3 juvs.) - 2 juv. - met & 1 OL; 1 fr. - met seen on 10th w/ ♀ WL. w. Scoter which I heard all over front.

White-winged Scoter - 1♀ (met), = 10+ (OL)

Common Merganser - 1 fr. (OL)

Harlan's Hawk - 1

L'Dickson
1979

Bird List cont. (8-14 June)

Golden Eagle - 2 (mtk.)

Marsh Hawk - 3 +

Kestrel - 1 (F.)

Willow Ptarmigan - 6 + (mtk.)

Sandhill Crane - 1 (F.)

Common Snipe - 6 +

Lesser Yellowlegs - 4+ (OL)

Spotted Sandpiper - 1 (OL)

Mer Gull - 30 ± (mtk, OL, F.)

Arctic Tern - 1 (betw. F. & Nenana)

Rock Dove - 10+ (F.)

Blk-billed Magpie - 15 ± (mtk)

Flicker - 1

Robin (up to alpine zone)

Clspn Swallow (F)

Swainson's Thrush - com.

Barn Swallow (F)

Trill's Flycatcher - 1 (F)

R. gr. Swallow - 2 (OL)

R. cr. Kinglet - 1 (heat)

Common Raven - com.

Yellow Warbler - 2 +

Gray Jay

Orange-cr. Warbler - 1

White-winged Crossbill - 20 ± (mtk).

Savannah Sparrow - 10 ± (OL)

Tree Sparrow - 10 ± (OL)

Fox Sparrow - com.

Wh.-cr. Sparrow - com.

Juncos - 5 ± (Hass Creek)

abbreviations: F = Fairbanks ; OL = Otto Lake ;

mtk = Mt. McKinley Natl. Park

L'DICKER

1980

Biosystematists Trip to Sierra foothills; 17-18 May

May 17 - Group convened at Two Gentlemen Institute

in Placerville, El Dorado Co., at about 11:30. I

were we Andrew Cockburn and Dick Sage. Tours +
talks at the Inst. and vicinity during afternoon and
evening. Spent night at Institute. Leader of trip was
Ledyard Stebbins. Arrangements by Wm. Critchfield +
Harold Kerster.

May 18 -

After breakfast at the Institute, we drove in a
caravan of 13 cars N of Placerville on the rd. to Georgetown.
Several N of park to Garden Valley we turned E on
Bear Creek Rd for several miles until just little Meadow
Branch Rd. So this joint Travers Creek crossed the road & we
stopped to examine a serpentinite outcrop for endemic
plants. Took a number of photos. Found 1 dead Phrynosoma
coronatum which we discarded after checking identification
- Stebbins, field guide. Herbert Baker spotted a pair of these
lizards copulating. Numerous photos were taken of the pair
which ~~was~~ ^{was} in a ventral to ventral position; ♂ on top. After
the photographing, ♂ checked the ♀ to confirm that individual on
top was ♂ (by. hemipenis evident), and on upside down was
♀ (clearly but enlarged eggs). Even after handling, they
seemed reluctant to move off and stayed close together
& we left them the way. There was also sexual dimorphism in
coloration and in the sharpness of the head spines. The ♂'s spines
were longer + sharper.

LIDICKER

1980

May 18 cont.

Then we went to Pine Hill which is a little W + N of Resaca. We climbed to the top which is at ~ 2000 ft. Several endemic plants occur here. We ate lunch on top. Saw Microseris ssp. here on top & there was also a rock outcropping with abundant Neotoma loppings. From here we went to Single Spring (~ 5 mi S Pine Hill) to see Castilleja stellata, a morning glory named for Stellata & occurring only in the Pine Hill area (2 localities).

From there we continued S. to Latrobe & on to Ione. Just S of Ione when driving 49 meets 88 we stopped to examine another biotic island this time on a Eocene marine beach deposit (^(Ione Formation)). Soil is sandy & of very low fertility. Endemics include Arctostaphylos mertensiana which occurs in almost pure stands. In slightly better spots A. m. is replaced by A. viridis. Other endemics are a buckwheat, and a planopetalous aromatic gentian (H...). Also occurring there is Agrostis sandwicensis which is disjunct from other populations occurring - coastal San Diego Co., & from high altitude populations with an entirely different species. Only annuals seen were Sylvilagus loppings, & Microseris (rarely & 1 individual seen), near the roadside.

Late last locality ~ 1700 & returned to Berkeley via Lodi, 12 & Colusa & on to Fairfield.



LIDICKER
1980

Brooks Island, Contra Costa Co., Calif.

Oct. 10 - 1330 - 1630 Trip organized by East Bay Park District. I was invited to go by Mary Jeffords. Boat used was patrol boat operated by the District.

Personnel: Mary Jeffords, Howard Cogswell, Ted Radke (These 3 ~~are~~ constitute the Shoreline Comm. of the Board of Directors), Neil Hartke, Roger Wilde, George & Corinne Coles, & myself. Weather: clear, mod. W. winds.

Purpose: to inspect effects of burning of most of the island by the Park District for brush control on Sept. 22. Major unburned part of the island was: most of the west of the gravelly, a small section of the S. beach ~~and~~ ^{surrounding} the concrete breakers, the buckridge grave on E shore (on the Indian mound), a area of brush S of the caretaker's residence, and the area immediately around the caretaker's area. A number of photographs were taken. Also unburned was most of the hill area leading to the breakwaters.

Active Microtus signs was found in all the burning areas except for around the caretaker's area. Some of the party saw 2 live M. under a board. Runways showing signs of continuing occupancy in the burnt areas were common. However, relatively few such runs were seen on the E slope of the Island. The few most burnt areas showed a highly hottest fire causing a much lighter direct fire mortality. Survival of voles in the burnt areas will now depend on how quickly the rains start. Several active runways were also found in the Salicornia patches. A number of vole carcasses were found.

LIDICKER

1980

Oct. 10 cont.

including several in unbanded ones. One of the latter had the comissum opened up, possibly by another Microtus. It was obvious that a fairly high density of M. was present before the burn.

A couple such was also noted for White-crowned Sparrows. A flock of about 30 birds was observed on the S. bank. Most were young of the year, but I did hear one song (twice): — tit-tit-tit. On the N. end there was an additional flock of ~20 birds. According to Cogswell, most of them were gambeli, but at least some were nevadensis. Again I heard one song: — tit-tit-tit.... Whether or not the two Brooks dialects survived will have to wait for the spring breeding season.

One Black-tailed Deer ^(no antlers) was seen on the N end & had water fill; droppings were also seen on the fill. No Rattus sign was noted. No! H. reported seeing ^{1 in} Thomomys near the buck-eye trees, & I found one dead & partly buried Gerrhonotus.

The buck-eyes above the spring on the E slope were badly burned if not killed. A small buck-eye near the spring on the W. side was partly burned. Baccharis shrubs were burned on low areas but mostly they are still standing & many will probably stand up. A few green shoots of forbs & grasses were seen occasionally. Most prominent were green shoots of some form of grass lining the upper edge of the road on the E. slope.

LIDICKEN
1980

Oct. 10 cont.

Pharos skeletons & bird eggs were seen commonly.
Also a falcated skeleton of was apparent to be a cow was
seen going down the road on the E. side.

Birds seen:

no distinct comments - see.

Brown Pelican - 2+

Canada Goose - 3

5 Sing. S. waders - 15+

Coot - see.

W. Grebe - 2+

Com. Moorh - 1 (in ~~at~~ channel to bird song)

W. Gull - num.

Ring-billed Gull - 5+

Foster's Tern - 25+

Common Tern - 1

Willet - 2+

Elegant Tern - 2

Blk-bellied Plover - 4+

Kestrel - 2

Killdeer - 4+

Mourning Dove - 2+

Bewick's Wren - 1

Burrowing Owl - 4+

White-cr. Sparrow - 50+

Herman's Gull - 1+

Song Sparrow - 10+

Avocet - 30+

Golden-cr. Sparrow - 2+

L. Billed Curlew - 10+

Fox Sparrow

Whimbrel - 2+

Red-wing - 2+

Marked Belding - 50+

(Com. Grn - 1 H. Grn
Bld.)

Dowitcher - 6

Brown Tern - 2+

W. Sandpiper - 200+

Least Sandpiper - 9

Sanderling - 85+

LIDICKER
1981

Bodega Bay Trip

w/ Andrew Cockburn & Rick Ostfeld

Jan. 17 Left about 1415 + drove directly to Bodega Bay marine lab (BML). After short exploring walk to N of lab buildings, we set out 2 transects of live traps starting from near the shore cliff to the top of the first sand dune. Each line thus transected various scrublands. Line "A" went from coastal to Juniper + then to dune grass. Line "B" went from coastal to Lupine to ~~dune grass~~ grass. Each line had 20 trap sets about 8 m. apart. As we set in and I Longworth + I small collapsible Sherman trap - baited w/ dried oatmeal. The transects were between the Agave column ally. + the N. point. There was abundant fresh Micromys sign - the juvenile grass areas and of a small ant. - the other habitats. Then we went down the Station road about $\frac{1}{2}$ mi. and set 10 traps (5 stations) in the Lupine thickets on the N side of the road - along the side of first sand dune (transect "D"). The last 10 traps (5 stations) were set in the largely annual grass on the S. side of the road (transect "C"). Same trap arrangements on these 2 transects. Total trap set = 100 (50 Longworth + 50 Shermans). Finished setting at 1740 - started setting at ~1600.

It was down to dark to see effectively by the time we finished. Weather: overcast, st. wind, intermittent light rain all afternoon. Lots of common scat seen. Also deer + rabbits are obviously abundant. We saw a number of deer. Found fox den in dune near transect

LIDICKER
1981

Jan. 17 cont.

A - mostly small & fresh droppings seen. Some droppings contained mostly crab shells.

Took our sleeping gear to the Bon L dormitory & then went to the Tide Restaurant in town for dinner.

After dinner, walked by moonlight back to Studin. Rain had stopped & moon was shining through the now thin layer of clouds. Behind the first dune ridge there is a fresh water pond, & in October Rich had noticed around this pond shells of both the native snail Helminthoglypta & the introduced Helix. We were going to investigate how far from the pond Helix extended & whether or not Helminthoglypta was being excluded. Our search was insufficient in that only Rich had a light. However, we found in a 30-40 min. search, several shells of Helix & lots of Helminthoglypta, but for live snails we found 17 Helminthos. & 0 Helix. We found also 1 baby snail which seemed to be the Helix form.

Walked back to the dormitory on the paved road.

Jan. 18

Mostly clear w/ light wind; cool early becoming warm.

After breakfast in the dorm, we picked up all the traps in the order: transects B, A, C, D. Rich has all the data.

These species were caught: Perognathus maniculatus, M. californicus & Reithrodontomys megalotis.

The last was only on transect "D". We also saw large numbers of deer, & Rich saw Cervus californicus & Sylvilagus bachmani. Finished traps at ~10:20. Walked out

L. DICKSON
1981

Jan. 18 cont.

To bluffs, S of ~~Horseshoe~~ Horseshoe Cove then back
(see 1st. Horseshoe - cov).
and the Cove to the left. Retraced the keys & left.

Stopped briefly along Bodega Bay to look at birds.

Drove back to Bodega, stopping at Winkelmann's
Old Dutch delicatessen for lunch (shortly after
leaving Lagoon Ctr. B.). Got to menu & unloaded
by ~15m.

Some birds noted on the trip:

Ref. - Thr. Loon - 1

Horned Grebe - 10±

Common Loon - 20±

W. Grebe - 10±

D. cr. Common - 1+

Pelagic Cormorant - 5±

Red. neck. Cormorant - 50±

Br. Bl. Heron - 2

Common Egret - 2+ (Petrolia marsh) Bk. Tern - 7±

Snowy Egret - 2 (Bodega Bay)

Scav. Egret - 15±

Common Golden-eye - 2+

Bufflehead - 35±

Wh. - w. Scoter - 25±

Surf Scoter - 20±

Ruddy Duck - 100±

Turkey Vulture - 10±

Cormorant - ? - 1

Red-toed Heron - 20±

Rough-legged Hawk - ? - 1

Marsh Hawk - 1 ♂

Sparrow Hawk - 50±

White-tailed Kite - 2 (in
Richards)

Calif. Quail - 1 DOR

Avocet - 120±

Black Oystercatcher - 15±

Surfbird - 45 (Horseshoe
cov)

W. Sandpiper - 3 (Horseshoe cov)

W. Sandpiper - 50±

Rock Sandpiper - 2 (Horseshoe
cov)

Least Sandpiper - 2+

Dunlin - 2+

W. Sandpiper - ? - 30±

Marbled Godwit - 200±

Sanderling - 70±

Glaucous-winged Gull - 15±

W. Gull - 40+

L. DICKON
1981

Bird list for Jan 17-18 cont.

Herring Gull - 25+

Raven - 1

Calif. Gull - 5+

W. Crow - 10+

Ring-billed Gull - 20+

Robin - 1+

Mew Gull - 10+

Loggerhead Shrike - 5+

Forster's Tern - 60+

Starling - 200+

Rock Dove - 5+

W. Meadowlark - 5+

Belted Kingfisher - 1

Red-wing - 10+

Flicker - 1 heard only

Brewer's Blackbird - 20+

Black Phoebe - 2

Savannah Sparrow - 3+

Say's Phoebe - 1

Wh. cr. Sparrow - 25+

Screech Owl - 1

Song Sparrow - 1+

Calgary Alberta

March 11-12

Lagopus townsendii - numerous individuals in winter flocks seen in Calgary airports + in nearby fields. Due to lack of snow, the whites really stand out.

Arrived at Paul + Donna Anderson's place about dusk, about 40 mi. WSW of Calgary. Saw, Great Gray Owl ("life bird") at river place + got to 37 ft. ^{from} ~~ft.~~ before it flushed. It seemed very interested in a group of coyotes barking nearby, but responded to mouse-like squeaks from us.

In morning saw large flock of Evening Grosbeaks at their feeder, along with a pair of Downy Woodpeckers, several Blk-capped Ch. Hummers + at least 1 mountain Chickadee. On way into town saw two coyotes (~ 0740 MST).

LIDICKER
1981

Hastings Res. - Sta. Lucia Mtns. trip : Biogeographers

April 25-26

April 25 - 0815 - met Jim Gregory at his home in Lafayette & we travelled together for this trip. Arr. Hastings at ~11:30. Several walks & walks around Reservation. For walks we counted resources in the Dick Sage. Cool with brief perceptible rain in afternoon and again in evening. Stayed overnight at Reservation. Saw Joann Daly's drip fences & first stop for her gopher research. Microtus sign is moderate, this is higher than I have seen it for quite a few years. Lots of bobcat scats on slopes of Schoolhouse Hill. Also saw fox tracks diggings in a number of places. Jim Griffin's gopher-trap enclosures on the top of Schoolhouse Hill have 400 oak seedlings / m^2 when in control plots there is zero.

April 26 - 0915 Up with Jim Griffin & J. Daly, Sage & Gregory, & 1 other for Santa Lucia's. Took road to Tassajara Hot Spgs. Observed G. P. Ni's success on plots - burned pine trees on ~~the~~ Chino Ridge & above Chino camp compound, & hilly went 2 mi. further south to site overlooking Sabine Valley & Diablo Range to the east & the west ridge of the Sta Lucia's above Big Sur to the west. In this last site we could observe clear-cut regeneration upon the major pine almost 3 yrs ago. Lobivia seed was scattered after the fire & although this seems to have minimal effect on controlling erosion, the Microtus have obviously taken advantage

LIDICKER
1981

Apr. 26 cont.

of the boronate of grass. One shrub to having
colonize after a fire is Ceanothus integerrimus. We
noticed that about 1 in 10 shrubs we killed by gophers eating
the roots (C. i. is a nitrogen fixer). An occasional
individual we killed by microtus girdling the base
of the stem, & we saw some very fresh signs of this
type. The study sites ~~at~~ are at ~ 4500 ft. elevation.
It was mostly sunny, but cool, & with a cold westly
wind blowing. The fire areas in these isolated groves
are Pinus, coulteri. On Populus ~~at~~ a slightly
lower elevation was completely killed, with only 2
scrubbing alive today. In the Chavis Ridge & Chave
Canyon drainages, partial kills occurred and
vegetation is good.

After lunch at last side, enjoying the tremendous
view. At 1330 do + 2 legs in hand. We arrived
at his home 1700 + 2 legs down 1730.

Bird List for trip.

unident. egret

Turkey Vulture (now seen like - So. Lus.)

WL. striped L: m - 2

Red-tailed Hawk

Red-shouldered Hawk (Hastings) - 1

Kestrel

Calif. Quail

Mountain Quail (quite a few heard)

Band-tailed Pigeon

L'DICKER
1981

Bird list cont (Mar. 25-26)

Mourning Dove	Violet-green Swallow
Rock Dove	Barn Swallow
WL. Sw. Swift	Scrub Jay
Anna's Hummingbird	Y. bl. magpie
Acorn Woodpecker	Com. Cuckoo
W. Kingbird	Chestnut-b. ch. Shrike
W. Flycatcher	Blair's Thrush
Red Olive-sided Flycatcher	W.W. Nuthatch (Hardly) - 1
Black Phoebe	Pezzy Nuthatch (Christily) - 1
House Wren	(Saw ^{nesting} nesting of loc. - dead & burnt tree stng)
Bearded Wren	
Robin	Orange-c. Warbler (hardly)
W. Bluebird	Nashville Warbler - 1
B-g. Grackle	Yellow Warbler (hardly)
Starling	Bk. Mr. Gray W. - 2
Wardling Vireo	Wilson's Warbler - (hardly)
Red-w. Blackbird	Lesser Goldfinch
Brewer's Blackbird	R. sided Towhee
Bullock's Oriole	Brown Towhee
House Finch	Oregon Junco
Chipping Sparrow	White-crowned Sparrow
Golden-c. Sparrow	Fox Sparrow (hardly)

Coyote Hills Regional Park, Alameda Co., Calif.

with 2nd, 107 B class

May 8 0750-1200

Bird list:

LIDICKER
1981

May 8 cont

Pied B. Grouse - 2

Snowy Egret - 1

Blk.-cr. Night Heron - 5+

Mallard - 20+

Gadwall - ~4 hrs.

Pintail - 6

Cinnamon Teal - 5

T. Vulture - 3

Wh.-tr. Kite - 2 (nesting near a willow-savannah swamp)

Marsh Hawk - 2+

Calif. Quail - 1

R-n. Pheasant - 10+

Com. Gallinule - 2 (1 seen about 1/2 of a mile from the coast)

Am. Coot - 30+ (14/6 day chicks) Olive-sided Flycatcher - 1

Killdeer - 2+

Pow. Kite - 1

Screech Owl - 2+

Chestnut-b. Chickadee - 2 (feeding eggs at nest in buckeye)

Com. Bush Tit - 1

House Wren - 1+

L.bk. Marsh Wren - 25+

Mockingbird - 1+

Robin - 1

Loggerhead Shrike - 3

Starling - 20+ (including 2 nests in different buckeyes - 1 nest had
eggs ~1/2 wh. > hatching).

Orange v. Warbler - 2+

Larus sp. - 1

Caspian Tern - 1

Frigate Tern - 6

Mourning Dove - 12+

Ct. H. Owl - 2 (fledglings
containing Microtus, Rattus
& Sylvilagus)

Allen's Hummingbird - 3+

Ash-thr. Flycatcher - 2

Blk. Phoebe - 3

W. Wood Pewee - 1

Olive-sided Flycatcher - 1

Barn Swallow - 25+

Clif Swallow - 20+

Yellowthroat - 20+

Wilson's Warbler - 3+

Red-w. - 50+

Brewer's Blackbird - 30+

(including 1 nest w/ 5 eggs
- Baccharis, ~7 ft.
off ground)

W. Tanager - 2

(cont)

LIDICKER

1981

May 8 (cont.)

Horned Finch - 60+

Am. Goldfinch - 10+

Brown Tanager - 3

Song Sparrow - 25+

47 species

Mammals: (see also S + H, Owl)

Lynx californicus - 3+

Spermophilus auduboni - 2+

Oryzopsis curvifolius - 1

Ondatra zibethicus - 1 (attacked by coyote) plus 2nd
and 3. of sign.

Perognathus lateralis - tracks

Spermophilus breweri - 12+

POLAND + NORWAY

31 August to 4 October

Aug 31 - Left San Francisco on United flight for Newark at 1420 (20 min. late). Bus to 34th St. terminal + taxi to Gretchen's apartment.

Sep 1 - taxi to airline terminal on 1st Ave. + 37th St. + 120 min. to Kennedy airport. Legs at 19:51 (1 hr. + 6 min. late) on Lufthansa flight for Frankfurt.

Sep 2 - 0200 (EST), a.m. (sun up). Arrived at ~ 0930 local time. This is 6 hr. time change from NY + 9 hrs. from S.F. Left on Lufthansa flight to Warsaw at 10:56. Cold lunch in flight; arrived at 12:40, met by K. Andryzejewski who drove me to Hotel Forum where PAN had took a reservation for me.



LIDUCOR

1981

Sept. 2 cont. Had sound hours rest & then was met by Jan Piwowarski who is chairman of the Dept. of Vertebrate Ecology at the Instytut Ekologii & my former host.

We took a very comfortable ^(A) to his ~~home~~ apartment for an excellent dinner (complete with beef, 2 kinds of squash, buckwheat, custard dessert and a Romanian wine - pinot gris (sweet & fruity)). His wife Barbara Piwowarska also works in ~~at~~ his Dept as an ornithologist.

Their daughter ^(Agnieszka) speaks some Spanish as the family lived in Caracas for a year. I took her ^(J) back to hotel by myself.

Sept. 3

Walked to American Embassy to "check in" with them & to deliver letter from Diana Bielinska (U.S. Natl. Acad. of Sciences) to John Zerolitis (Science Attaché). Zerolitis was in a meeting so I left letter with his secretary. Very large crowd of people milling around outside of Embassy. At 12:30 Barbara Diehl (ornithologist who was in Berkeley last Nov.) met me at the hotel with car from the Instytut. Barbara did not go to Inst. so I went alone with the driver - Andrzei.

At the Inst. in the lobby of the main building is a very large bulletin board for Solidarnosc & a small one for the Party & teachers union. Many people are wearing Solidarnosc pins & I saw 1 placed in the rear window of a car. Diehl is leaving in a few days for a conference

LIDICKER

1981

Sept. 3 cont. in Spain. After lunch drove to Biatorwica w/ R. Andryzejewski, driver Andryzej + a graduate student of Roman Andryzejewski's named Ursula. Stopped in the village of Sieniawica for dinner. Arrived ~ B. ~ 2000. Zdzisław Puck greeted us + checked us in to a hotel rebuilt from an old hunting lodge + used for PAN official guests only. We were the only guests.

Sept. 4 - Had breakfast at the Hotel Iwa (willow) which is very nearby. Then we visited at the Mammal Research Inst. + about mid-morning went out with Krystyna Raczyńska to look at a herd of wool bison which was quite close to the main road into town. We had very close looks at a mixed herd of 9 individuals. From 1300 - ~~1400~~^{14:00} I gave a seminar on "Biochemical and morphological evolution in bovine cattle on the island of Hawaii". It was held in the seminar room of the Inst. of Forestry + Botany only because Puck's Inst. does not have a suitable room. I was introduced by Marek Gąbryński. Afterwards we had discussion until 1530. Much of this was with Krystyna Falinska who is plant population ecologist + is the botanical institution to who cooperates with Puck's group. We were discussing nature of individuality in organisms + populations (esp. plants + esp. asexually reproducing ones). After this K. A. + driver + I had

LIDICKER
1981

Sept. 4 cont.

bunch in local restauraceja. Then we went back and had very good discussions with Marek Gębczyński regarding his work on electrophoresis of bank rolls, shrews and other topics. As they are having trouble bleeding rodents from the suborbital sinuses I offered to demonstrate the technique tomorrow. Back at the hotel I had a bath. At 2000, we had dinner at Pucek's and discussion ended at least 2330. Michalina (Misha) Pucek was an ex-Lublin folk dancer many years ago in Lublin.

Sept. 5 - Had breakfast at Hotel Iwo Jajty myself.

Then Pucek gave a 1 hr. descriptive tour of the natural history museum. On returning to the Zaktod building, thus M. Pucek had dream last night about folk-dancing, including a feeling of floating or flying. Had long discussions with Zdziarska regarding program of Zaktod. Went through colonies of a number of species which include especially Chionomys glaucescens, Microtus californicus agrestis, Thomomys talpoides and the Manchurian Lemur. These 3 species they are trying to develop into domestication for research purposes. They also have many other species such as Pitymys subterraneus (including a pink-eyed dilution mutant), Aptomys, and several species of shrews. Marek was sick so did not demonstrate bleeding technique. Pucek says that he initially has a small collection of 150. m. specimens but I did not have time to see it (he must have ~~had~~ meant 1,500).

LIDICKER
1981

Sept 5 cont. Puck the took us a trip into Bialowieza forest. We saw magnificed oaks - up to 3+400 years old which have been individually saved for various kings & queens who hunted in the forest. We also walked for 2 km. on a rough "cat walk" into a forest ^{area} just outside the national park. Along this route, trees of various species are labeled with comments in first person singular explaining the properties of tree & its role in forest community. Then we walked the 2 km. back. By the time we checked out of the hotel & said "do widzenia" to Puck it was 1400. By the time we had lunch in Bialowieza it was 1500. Saw a White Stork on drive back to Warsaw; around about 1930. Checked back into Hotel Forum and went to bed almost immediately.

Sept. 6 - Slept almost 12 hrs. At 10:00 Jan Pnawski met me with his daughter & we went to visit Wilanow palace & gardens. We spent 1 $\frac{3}{4}$ hrs. in the palace & also at least 1 hr. in the gardens. Saw a European Nightjar - the gender & common sign of Talpa europea. Along a side branch of the Wista R. saw: St. Crested Grebe - 1 pr. (Podiceps cristatus)
Shoveller - 1 ♀

Black headed Gull - 10+ (Larus ridibundus)

Had good lunch in restaurant near the palace - run by Hotel Forum. Drove to Hotel to pick up my boots and

LIDICKER
1981

Sys. 6 cont.

binoculars, & then on to Jan's flat. He has a Yugoslavian-made car. The most common private car is the Polish Fiat. Then we drove to edge of Kampinos Forest where Pirowski's have bought an old (1920's) house and are fixing it up. They expect to move into it perhaps after the winter. They have owned the house for several years but renovation has been very slow because of difficulties in getting supplies.

The house has a nice garden. While Mrs. Pirowski worked in the garden, Jan & I walked into and along the edge of the forest. Birds seen on our long walk & around his house:

Coot - 1+

Mallard - 2+

Phylloscopus sp. - 15± a few seemed to have dark legs = cliff chaff; also 1 or 2 were very gray & with no noticeable eye stripe - probably young.

Hooded Crow

Rook

Jackdaw

Magpie

Jay

Bluethit - 15±

Crested Tit - 1

Willow Tit - 1 (heard only) ("Parus montanus")

Blackbird - 1

LIDICKER
1981

Sept. 6 cont.

Dunnock - 1

Pine marten & Langur also

Hawfinch - 5+

saw a large Viper

Returned to Prusik: fed for dinner +

discussions. Watched news on TV. Jan helped me
translate → an article - Police & Petrusewicz.

Took bus back to Hotel, arriving ~ 22:15.

Sept. 7

At 0900 K. Andruszewska arrived to take me
to the Instytut Ekologii i Dziedzictwa Lesu.

She wanted to show me how to get there on the
bus in case I missed the ~~institute~~ bus at 0800.

We arrived after 10:00. Had much discussion about
my plans & arrangements. She good talk with K.

Petrusewicz who has amyotrophy, & has been in
hospital. He came to Inst. to attend meeting of
Collegium (administrators of inst. & heads of
deps.). Petrusewicz seems mentally very sharp,

his English is good & easy, and he is very
interested in "What is a population?" (Sto jest
populacji?), i.e. what are biological boundaries, of
tried to express ^{the} view that we need to find out what levels
of discontinuities are important to organisms for
various functions, & to what extent these relevant dis-
continuities coincide. Also had extended discussion
with Regina Rogalska & ~~Leopold~~ ^{Leopold} Nabogto regarding
micropredator cycles & the possible role of human

LIDICKER
1981

Sept. 7 cont

systems in contributing to ~~the~~ cycles. There was no lunch available at the Inst. today (normally 1630) because of some equipment failure. So at 1500 Krystyna & I took bus to Place Wilson for Polish pizza. Then she went shopping & I took bus back to hotel, arriving about 1630. This was my first opportunity to write some notes & wash clothes. Tonight was my first chance so far to buy dinner on my own; I managed for 3¹/₂ 140.

Sept. 8

At 0930 met at hotel by Anna Dobrowolska of the Dep. of Vertebrate Physiology of Warsaw University. She suggested we take a taxi to the Univ. Discussed her research on voles with her. She has measured γ -globulin levels throughout cycles from north - south Poland. Also analyzed age, density - ^{small changes} sex, etc. effects. She has also done electrophysiology of transformer alleles in M. carvalhoi as well as A. pompeus aguminus & A. flavicollis. Had good discussion with the head of her Dep., Prof. Janusz G. II. He works on physiology of voles, & is also active in organizing conference on horse biology. He is also consultant to IUCN Survival Service Comm. on tarpans, gray seals - Baltic, & wood bison. He thinks his surname derives from French "G. II" and comes from Napoleonic times. Then met 2 girls working on diurnal rhythms in chickens: interactions with prolactin, corticosterone, and immunology.

LIDICKSON
1981

Sept. 8 cont.

responses. Talked with Krystyna I. Zaleska-Freljan who works on lab mouse & anti-coagulants. Then Anna & I took bus to Marszałkowska St. where we had lunch. ~~Then~~ We talked about a possible post-doc. grant proposal for her in Berkeley. Then I walked back to Hotel Forum arriving just after 16:00. In evening I went to Andruszewski's where Krystyna helped me to translate some of the Dyskusja from Łomnicki's paper on "Superorganisms". After a late supper with them (Roman talked a lot about his book on population biology which he is co-editing with K. Falinska of Biatorwia), I got back to Hotel about mid-night. Since the buses had stopped running by then K. & R. ~~gave~~ gave me a ride into town in their Polska Fiat. Roman feels the - Russia Naumov and his more holistic views are gaining precedence over the more reductionist attitudes of Svaty and Polyakov. He showed me an ecology book by Shilov (1978 I think) which he said was excellent & should be translating into English. He also commented that Sam Berry's new book on The Biology of the House Mouse because it cited little non-English literature.

Sept. 9

At 08:00 I was at Warszawa Centralna (station) to get the bus to Dzierzgoń. After waiting until 0830 I and a number of others from the Institute decided

LIDICKOR
1981

Sept. 9 cont.

that it was not coming. So I walked back to
Marshallowska St. & took the 2 bus segments to get
to the destination. I finally arrived about 0930.
After some discussion & glass of herbata, 5 of us went
off to walk in nearby Kampinos Forest. The group
included Krystyna, Bogumiła Olech, Wacław
Małkowska & L. anxious Barbara. Olech, an
ornithologist, was originally going to take me to a
non-listed place in the forest for a good birding trip,
but a car was not available. We helped Wacław & Barbara
over 3 of ~7 grids (25x25 m with 25 live traps each)
in the forest. Wacław is interested in studying spatial
& temporal information transfer, & the interaction of these
2 dimensions in the small mammal communities. Saw
alive: Apodemus sylvaticus, Microtus agrestis,
Microtus oeconomus (written over), Apodemus
flaviventer, A. sylvaticus, A. agrarius, and Microtus
minutus. Only with Krystyna's help did they seem to
be able to identify the microtus and the A. sylvaticus. I
took a few photos including habitat-shots for both species
of Microtus. Also saw beaver pond made by ~~a~~ one of
3 pairs introduced several years ago into the forest. Then
we visited a pig & fox farm where Krystyna is studying
Rattus & Mus populations in the barns & making
trap-line transects from the barns across adjacent
meadows and into the forest. The earthen bank is

LIDICKER
1981

Sept. 9, cont.

the Ratters will not avoid live traps. This, plus is just a large effect & occurs from-front interactions & in particular, transfer of pollutants and pathogens to the front & humans especially. Back at the Instytut now discussions with Bockay (~~Olch~~^{Olch}), Ryszard Rogalski, & Leszek Nabiagla. Then I read some papers at a manuscript of Kostyuk's & we discussed age structure & sex ratios & tools for predicting microfauna peaks. Left at 1630 & went into town for "lunch".

At 1815 I took train (no. 15) back to the Hotel. Very few birds seen or heard on our walk - the front as it is a very quiet time of the year: Swallows, Raven - 2, Gt. Tit, Dunnock - heard only, etc. Worked on summary to be given Sept. 11.

Sept 10

At 1000 was met by Andrzejewski's who drove me to their Flat at the Warsaw Agricultural Univ. Roman should be around & explained the program of his Dept. (game biology). Then had discussions with Dr. T. Babinska-Werka on her work on rodents of city parks (A. jolani occurs in most habitats & can survive if park is > 1 ha.); next most important organism is shelter); and with Jacob Goszczyński who works on predators - using fox & marten at Rogów - but also predators in park. Roman coordinates a nation-wide program on game biology. This includes work on Capromys at Rogów and wallabies in Warsaw.

~~EF~~

LIDICKEN
1981

Savo. 10 cont.

He also chairs - "blue ribbon" committee investigating
the Warsaw zone which apparently is in terrible condition.

Had long discussion w/ Wladyslaw Autak who is
botanist in Roman's group. He is doing cohort analysis
(as with rodents) in 8 species of herb growing in forest. Very
interesting results, but lacks evolutionary perspective. Has
detailed data on growth, productivity, dispersion of these
species which collectively make up ~ 98% of vegetation on forest
floor. The Rawa, topsoil & leafs for Rogow are

is a large research station operated by Warsaw Botanic Univ.

It is a few miles east of Tadz. We took lighting to SW
going to Katowice, & then turned W toward Tadz. at Rawa
Maz. Rogow is ~ 10-15 km along this road. Roman
told me about plans for a new town to be developed NW
of Warsaw utilizing ecological principles & nature conservation
& guides. Roman is involved in the planning & has taught
ecology to some Warsaw government minister who is also an
architect. She is helping to get architects & biologists
together - the planning process. We had "lunch" about

1530 - a small village near Rogow in a small private

restauarant. The meal was very good. Rogow is a beautiful
estate with dormitory for 200 students, classrooms,
arboretum & botanic garden. The arboretum has all species

of conifers from N. Hemisphere recorded as well as many
hardwoods. They also have a museum with mounted birds &
mammals - all Polish species being recorded. There are

LIDICKER

1981

Sept. 10 cont

also collections of fungi, wood specimens, etc. It is impressive. The main building has beautiful wood interior decoration. Then we drove a few km. on dirt road to edge of large forest park where studies of Capreolus are being conducted. At exactly 1830 we began a count of "sarni" coming out of the forest to feed in the surrounding meadows & fields. K & I went one way and the park & drove the other. We saw about 12 deer & Room 3. Two that we saw had collars, a few were young & about 3 antlered bucks. In one case we observed a ♂ & ♀ walk too close together. When the pair approached a single doe, the ♀ of the pair apparently chased the single one which quickly ran away. After dark, with increasing ground fog we walked back to the car. In the night Capreolus uses the forest during the day & open country at night. Around Kraków when there are larger areas of forest, the deer live entirely in the forest & are forest-dwelling. Around Poznań there forests are scarce, in open-country ecosystem has developed which has only trees - the open, but when frightened it runs away from any trees. In driving back to Warsaw we encountered considerable patches fog which was very thick in some places. Got back to hotel at 2200.

Only two birds were
Wood Pigeon &

Thrushes sp.
heard.

Sept. 11

After 0930 left for the Instytut Ekonomici. Two hours later arrived at ~10:30. My seminar on

LUCKEY
1981

Sept 11 cont

After a meeting - population of the cat / role ("normale") was at 11:00 & with discussion went to about 12:00. Then I had discussions with Jan & Barbara Piszowska about their bird research until 13:40. Worked (with tea & discussion) - Krysztof's office until 15:05. Had interesting political discussion with Ryszard R. & Leszek N. Took subway bus back to Warsaw Central & walked to hotel (cannot find N took bus to hotel instead). Took look around Cepelia store near the hotel (on Marszałkowska) & then had dinner in the hotel dining room. At 19:00 met R. Rogalska & we walked to National Philharmonic concert (Filharmonia Narodowa) which started at 19:30. The program was Symphony II by Gustav Mahler & was excellent. They also had a large chorus & 2 guest soloists (singers). Did some work.

Sept. 12

After breakfast organized my slides on New Guinea, & started to reorganize my luggage so I can leave 1 bag at Warsaw. At 11:25 left on bus (A) for Andrzejkowki's. (10 Starej Basni, no. 7) Arrived ~ 12:30 because I went past my stop by one & ended up at a giant "flea market" with hundred of cars parked & big crowds. We left about immediately for Biatorbaska D'worska (White meadow (5 states) which is the site NW of Warsaw where a new town is planned, for

LIDICKER

1981

Sep. 12 cont.

25,000 people. Roman went over the plan in detail & we walked around many areas. The children in the local school are being taught about the changes to come. The area will have greenbelts & a restored river which has disappeared recently because of dropping water table levels - due partly a burst to a canal nearby which connects two river systems. I took a picture of an old oak tree (dead) which is an example of a class of trees registered by the State & labeled as protected. There are also some patches of natural vegetation connecting in the park areas with those on private. Also bicycle paths. It is a flat area with sandy drum ridges intersected with fertile agricultural soils. Train, bus, and highway transportation will be provided. Crossing the area is one low by train from Warsaw and because of indirect routes. Then we drove to other side of Wistula & edge of Kampinos Forest where I had gone earlier with Piasecki's. The swamp basin here is a closed watershed which used to be a lake, but is now a swamp because of dropping water table levels. In the swamp lives an isolated population of Microtus oeconomus. We walked and swam following a sandy ridge to a hill (≈ 130 m. elevation) which is the highest point for 100 km around Warsaw. We collected a few specimens of a plant (Umbelliferae) to feed to a larval Papilio which Roman is keeping in a big flap.

LIDICKER
1981

Sept. 12 cont

Rana esculenta juveniles are abundant around the edges of the swamp. We also saw 2 species of Hyla arborea + a Hyla janthina one. Returned to Andrijewski's flat at 1630 when R. Ryzlaska was waiting for us. We had dinner, talked, + I ^{showed} ~~had~~ 2 slides. Then I showed slides from New Guinea, + Roman showed some from Kharak-tum across SE of the Caspian Sea where he spent 1 wk in ~1970 (after waiting 3 wks. in Moscow for permission), + also visited in 1961. Ryzlaska + I left ~10:30 as we could catch a bus back into town.

Sept. 13

After breakfast we packed suitcases + took the small one to the baggage room for storage. At 10:00 left to go to Tomaszek to spend the day at the home of Gabriela Bujalska + Leszek Grüm. About 8 years ago they made the difficult decision to leave Warsaw + live in the village. They are glad now that they did, but Gabriela still must do most shopping in the city. They live a nice house, a very interesting garden with many exotic plants including Eschscholzia californica + many varieties of Anemone + iris, + a dog named Oscar. We had many interesting discussions until about 2130. Gabriela then walked me to the bus + I got back to the hotel ~22:30.

Sept. 14

Got up 0430; checked out of hotel at ~0510 + walked in light rain with luggage to Warsaw Centralna.

LIDICKER
1981

Sept. 14 cont.

I was very late before I got to catch (pardon) 3 to get the 0600 train to Kraków. I had a good 15 min. to spare. The train pulled out at exactly 0600. Very comfortable seats in compartments of 6 people. Stopped at Radom 07:26, Skarżysko Kamienne at 08:00 + Kielce at 08:38. We arrived Kraków at 10:28 (4 min. early). Rain all the way. There has been heavy rain + Kraków is I noticed some flooded streets. I was met by Władek Grodzinski (age = 46). He checked me into the Hotel Cracovia + then we went to the University. Met two Americans who have been in Katowice for the past week + an interest in pollution ecology. One was Dr. Craig MacFarlane who is with EPA in Corvallis, Oregon. At the University Władek told us about their program = pollution ecology + he gave us a lecture with slides on the pollution = the Niagotomice Forest 10-20 km. from Kraków. This Forest occurs the prevailing winds + fallout from Nova Huta (the large steel refinery near Kraków) as well as other air pollution from Kraków. The forest is slowly dying + there is a massive inter-disciplinary research effort involved in its study. Then Jan Kostowski took a train into the Centrum + looked for a restaurant for lunch. Most were closed or had a long waiting queue. Finally we found one + had red deer cutlets. Jan is planning to go to the Univ. of Georgia for a 1+ yr. Postdoctoral Fellowship starting - Nov. - with R. Wiegert. Then we walked in the rain back to the Hotel Cracovia. I took a nap

LIDICKER
1981

Sept. 14 cont.

for about 2 hours. Then in 1915 Grodzinski picked me up at the hotel & took me to his flat for a very nice dinner & evening of discussions with him & his wife Krystyna. Their son Peter is a - several month Lith-Lith trip with his girlfriend around western Europe. Their daughter Magdalena was home & is 15 1/2.

Sept. 15

Hot breakfast - hotel with 2 Americans the & me yesterday & their two guides from Katowice. The 2nd one is chemist from Univ. of Iowa, Iowa City 52242; Dr. Clyde W. Frank (Diss. of Chemistry). Watched me on a 1000 & we went to the University to have some of my bags on there & to pick up traps etc. We finally left for the Tatras mts. - Witold's Latan (Rus.:-) car at about 1100. Overcast with some rain all the way. Driving - Zakopane about 1300. Went to Nast. Park Headquarters for permission to enter the Park, & then had lunch in a - french restaurant - excellent service. Rain continuing. Drove up to Chochotowska where there is a chalet or hotel. The last 7 km is for walking only, but we drove in because we had all the traps to carry. Just below the hotel is a shepherd's hut occupied by 2 old couples. They let us see 3 traps in their house & 7 in an adjacent barn with a big trap & pig below. The mountain people were from the village of Witow. Back at the hotel we arranged to see traps in the kitchen, laundry, various show rooms,

LIDICKER
1981

Sept 15 con.

+ a linen storeroom on the 3rd floor. A total of 19 traps set in the Hostel. There were set 5 outside (2 in garage, 1 in a front storage bunker, + 2 along side the building). Total traps set = 34. Traps were mixed, with falling down everywhere except for 2 small collapses. Bait used was pieces of brick soaked in some sort of grease + wheat kernels. First bird setting by 17:30. Rain continuing all day. About 1845 we made our dinner - in Hostel dining room supplementing what we brought with what little was available from the Hostel. By now tea in large china glasses holding 2-3 cups. W Taube + I had lengthy discussions about the Ecology Congress text + summaries + many other things.

Sept 16

After breakfast picked up all traps. Caught total of 6 *Apodemus flavicollis*: 1 in linen storeroom, 3 in shepherd's banya, 1 in garage (dead = w#L #3813), + 1 outside of Hostel. We decided that the R's card indicated there were no mice in Polana Chochotarska + we must therefore set traps at lower elevation + outside of the Park. During the 2-3 hr. fresh snow fell to within 1 or 200 m. of the Hostel. It was still overcast but with only intermittent rain. Drove out of Park to junction with road to Zakopane. This junction area is called Roztoki. There seems to be only one active farm along this junction + this is not very far above. At the junction is a house belonging to the Forestry

LIDICKER

1981

Sept 16 cont.

Reps. We set 7 traps in this house. Turning on to the road to Zakopane we soon spotted a older house-barn combination which looked promising for Mrs. So, we stopped & talked to a very fat lady housewife. She thought we were crazy & she perhaps Polish should start exposing mice to the U.S. We set 8 traps - 2 were rooms in her house & 2 were in the logs of her garage. In the kitchen she showed us bread that had been eaten by mice. This village is called Obruchówka. Then we continued on to the village of Kościelisko which is only 3 km W of Zakopane. We ^{parked} walked into the home of a couple who are friends of Grodziski's as they often spend vacations renting rooms in their home. The wife is a landscape artist & the husband is a wall-murals painter & wood carver. Their house or barn ^{is} beautifully constructed of logs etc. The husband is building a prefabricated log house for someone in Warsaw (the house is to be mountain style). We set 5 traps - 2 in house & 3 in. Then they let their nephew (whom they seem to have adopted because they have no children) take us to a neighbor's home not too far away which they report has more mice. This place did indeed look good & we set 12 traps - their barn (1 in bathroom). This made a total of 34 traps set. Then we went to Zakopane to have lunch in the same place we eat at ~~gj~~ we were in yesterday. Włodzimierz showed me around the touristy parts of

LIDICKER
1981

Sept. 16 cont

Zakopane, + I bought a few souvenirs. Then we returned to the Hostel + took a walk around the Polana (= mountain meadow or clearing - the forest) rising, a small chapel on the upper edge of the meadow. Found a dead Sorex along the edge of the path which seemed to be in perfect condition (WZL# 3812). It is Park policy - supported by Władek - to have some sheep + cattle grazing in the Polana to prevent disappearance of the meadow through succession. Somone seems to have had a few small livestock exclusively to minimize the effects of the grazing. After dinner, mostly supplied by us, + I made flat skins of the 2 species. The 5 live Apodemus were put together in a large cage.

Sept. 17

After breakfast, we packed up + left the Hostel, + went to get our traps. At the Foster's home we caught 1 Apodemus flavicollis (WZL# 3820). At Obrochtówka (10 traps) we had 3 Mus musculus in the house. In Władek's friend's house we had 2 Mus but one apparently escaped because later 1 of the traps was empty. The friend also reported that they had lost another one by getting into a closed trap. We passed time for tea + conversation + bought 2 beautiful blouses from Helena (the wife) for 2t 700 each. That was all that she had on hand that were completed. Finally, we

LIDICKA

1981

Sept. 17 cont

went to the neighbor's house & here we had a more
~~mess~~ ^{fun cold} (I was about dead, but I survived it). This gave
us a total catch of 7 mess but I was lost. A
common not^{ly} in much of the local landscape is an
alpine white flower called ^{Edel} Edelweiss (= Swan). Wtadek's
friend also showed us a horse-drawn carriage which he
was making (almost finished). It was a beautiful hand-
carved job. This couple also folk dances mainly at weddings
& they played us a record (Polka II) of wedding tunes.
Dancing shoes of local style somewhat reminiscent of
oponki's are called "kielec".

Then we drove back with the Park, this time into the
eastern Tatras to Morskie Oko which is a beautiful
deep lake at 1400 m. elevation. The name of this lake
means "eye of the sea". We had lunch ^(perogi) at the hotel
by the lake. Again one is supposed to walk in the lake
2 or 3 km. but as we had permission & ~~it was~~ we were
lucky individuals
left - all in this
valley. Dang
fine weather
+ typical of
subalpine
"Krautkohle"
zone.

The road to Morskie Oko goes along the Czech border
for quite a few hours. We drove back to Košťálov
stopping in a small village where Wtadek wanted to get
some shoes for his over-sized feet but we found that
the shop was only selling to village residents. (This was

LIDICKER
1981

Sep. 17 cont.

the only place where he could consistently find shoes to fit him). We also paused briefly to view a statue of Lenin in Poronin. We left our nice at the University, & then I checked back into the Hotel Krakowia.

Interesting bird seen in the Tatras:

Turdus torquatus - many seen feeding on Sorbus berries
Nuthatches (sw. at ~~Mountain~~^{oriskie} Oko)

Jay

Dove (several)

Redstart - (sev.)

Robin - 1 (M. O.)

White Wagtail

Greenfinch

Had good dinner in the hotel: roast beef, po' Polski; & pea soup for 21 193. Worked on my seminar for tomorrow.

Sep. 18

Environment Biology

Arrived at the Inst. of Animal Ecology at ~ 0845.

My seminar on "Ecology & social behavior of the tarsier volv" was rescheduled for 0915. Met Henryk Szarski who is herpetologist & knows Workers. Ws - Berkeley ~ 1959. Also met Dr. R. Tertil who has recently returned from 3 years - Nigeria. There was good discussion following the seminar. Then I started to work on the my specimens. (on me, but did we & made a flat skin of this one (WZL # 3819). The remaining five I prepared for

LIDICKX
1987

Sept. 18 cont

chromosomes, blood & tissues, & pull the skull.
Except for 2 pauses to eat an apple, I did not finish
this meal ~ 1815. The institution emptied out by 2-3 pm
except for J. Kostowski & we talked briefly later in the
afternoon. At 1800 Wtadek came back. Then I made a
flat skin of the Apodemus from Roztoki (WZC#3820)
It was almost 20:00 before I quit for the day & walked
back to the Hotel. Drove this time (Lalibela & few stops)
bs ~ 2t 122. Found out that Wtadek was ~ 2t 12,000/
m. & Krysztof was ~ 8000. Also 1 k of copper
costs \$8 at Pewex or ~ 2t 700 but ^{is} much more expensive
at Pewex. Because of a election last June the Director
of the Inst. of Environmental Biology is Adam Tomnicki
(Assoc. Prof. Boguslaw Bobak) & the head of the Dept.
of Animal Ecology is Andrzej Gorecki. Wtadek resigned
from the latter position when Dept. heads lost the power to
fire technicians.

Sept. 19

At 0900 met Adam Tomnicki at his office in the
district. We talked until 1210. Then I started to work
on the Apodemus from Polana Chochotowska. On # we
dealt & just eaten: --107-26.5-18.5; 40 mm, faint
placental scars; ovaries inactive. The other 4 were in
excellent condition. I made flat skins of them. Wtadek
also came in & I talked to him briefly. About 1415
Adam & I went off in his Fiat Polski to look for birds.

LIDICKER
1981

Sept. 19 cont.

We drove SW along the Wista and stopped briefly at Kopiec Kościuszki which is a hill built as a monument to Tadeusz Kościuszko. There is an Austrian fortress built around this hill, & it is now a hotel & museum. Light rain for early afternoon to evening. We continued on to a private restaurant located below a hill with an old monastery on it (Wolski Forest). We had to wait awhile but it was a good meal. Met a girl from Alliance College Pennsylvania who is spending 1 yr. at Jagiellonian Univ. to learn Polish (arranged by Kościuszko Foundation). We had lunch with her & her boyfriend who did ^{not} speak English. Then we saw a girl from US in the program at a hotel of about 30 foreigners in all. Adam took me back to the hotel where I waited for a couple of hours. Then he picked me up again & took me to his flat. There I met his wife Rita & we were joined by J. Kostowski & a student from Lodz Univ. who is spending 3 weeks with Adam working with Tricholoma. We had a nice dinner (a large summer squash with buckwheat, potatoes, mushrooms, salad & a good wine from Portugal) and a good discussion lasting until 15 past midnight. Adam told me about Józef Piłsudski, an important early 20th century Polish military person & politician for whom a small hill has also been built as a monument.

Sept 20
Barbura

Sept. 20

Kostkowski & the student walked me back to the

LIDICKER
1981

Sept. 20 cont.

Hotel. It took about 30 min; then was some light rain & moderately heavy fog. Got to bed ~ 01:00. There is a large scouting jamboree being held in Krakow this weekend & there are many scouts in evidence marching about. Apparently there are 3 national scouting organizations - 1 official & 2 unofficial. After breakfast I caught up on my long-awhile note writing. At 1400 checked out of hotel & was met by Boguslaw Bobek in his large Italian Fiat. We went first to the University to get my specimens aligned in huge tank. On the windowsill of the lab I was working in got an excellent view of a Spotted Flycatcher (*Muscicapa*). Then we went to the train station. Got on board at 1445 & the train left exactly on time at 1525. This was the last day that a direct train from Krakow to Poznan will be available. Train ride was greeting, as we did not arrive in Poznan until 23:05. Stopped at Trzebinia (16:06), Myslowica (16:39) - ^{20 min}, Katowice - multiple stops (17:00+), Tarnowska Gora (18:43), Lubliniec (18:40), Ostrow (21:00). Uh - unexpectedly I was met by Irena Batoniak & her husband. They took me the short distance to the Hotel Merkury. She works as a chemist in Ryszkowski's Institute.

Sept. 21

Left Ryszkowski's home at 10:00 & we walked the few blocks to L. Institute (of Agrobiology & Forestry). He showed me around & we talked until noon. His Institute

L'DICKSON
1981

Sept. 21 cont.

Has 7 divisions: Lab of Hydrobiology (actually agricultural impacts on aquatic systems in the agricultural landscape), Biol energetics and chemistry, Tissue field section, Forestry (actually phytopathology), the Museum, Library (21,000 volumes), and Botanical Lab (mainly concerned with spring productivity). There are 23 scientists including 4 professors & 2 assist. profs. The Museum & Library are authorized from the old Poznań natural history society. They are working on some new ecologically-oriented exhibits and are to open in early October. Then spent 1½ hrs. talking to Leszek Berger who has worked for many years on the Rana esculenta complex. This is a complex situation further, some of which he is collaborating with Tom Uzzell of the Philadelphia Academy of Sciences. More talk with Lech & then we went for "lunch" at the Hotel Merkury. At a little after 1500 Lech went back to work, & I wandered around the Centrum for about 1½ hrs. Took photo of a large statue of Adam Mickiewicz, a 19th century poet & intellectual hero of Poland. Also photographed a new monument, erected back in 1980 honoring the 1956 uprising against the Soviets - June of that year. The inscription reads: Za wolność, prawo i chleb (To liberty, truth, & bread), Gózerwice (June), 1956. At 1830 Lech came to the Hotel & we took a taxi to his flat - NW side of city. Had very pleasant evening with him & his wife Grażyna (Lithuanian name). Took ~~the~~

LIDICKER

1981

From back to Hotel just after 2300. ~~so tired for~~

Sept.

~~22~~

Met Lech & Leszek Berger at the Hotel. We were all driven in a PAN jeep to Turew (after a brief stop at the Inn, & pick up a contingency). Turew is about 40 km. S of Poznań. We stopped at a ~~small~~ village near Turew to get *bogusza* (goat) & cheese, but there was no cheese available. The field station at Turew is centered on the palace built by General ^{D. B. B. H.} Chłapowski who died in 1875. He was an important general & agricultralist (trained in Olsztyn - agric. & forese - math) who had a very progressive systems-view of the agricultural landscape. Among other things he developed the shelter belt system widely used in this part of Poland. Once at the station I started to work on the live birds musculins trapped for me in the palace & surrounding area. Except for a break for lunch & a slide show of Turew fauna, I worked until 1630, getting blood, tissues, etc. from 17 mice + 3 dead ones. Then Lech gave me a quick tour of the palace & grounds, & had me stand on a stone at the base of a 600 yr old oak while he said was previously stood upon by Napoleon, Frank Golley, & Norm French - how could I refuse? We also had a look at some of Berger's bog lands & of the great agricultural landscape where they do their (Saw Tawny Owl here) Strix aluco

LIDICKER
1981

Sept.
~~22~~ 22 cont.

a grotcosystem station. Then we drove back to Poznań. Lech & I had a pizza at the Hotel & discussed more regarding the Inst. Ecol. Congress next summer. I had dinner in the Hotel restaurant. Worked on station for tomorrow. Director of Turów station: Józef Karg

Sept. 23

Lech picked me up at Hotel at 0930 & we walked to his Institute. From 10-11 I gave seminar on micro-structuring in Calif. Rana. Following discussion I explained why I was sampling the local Rana populations with background on current thinking about taxonomy of Eurasian Rana. More discussions with Berger & Dr. Janusz Truszkowski. The latter worked on Microtus cervalis at Turów for his Ph.D. research under Lech. Now he is trying to develop an electrophoresis lab for the Rana esculenta project. A little after noon Lech & I (+ driver) got taxi to Poznań. We went to the "katedra" on an island in the river. This church was first built in ~989 along with a fortress. It was destroyed & rebuilt several times, & now is in Gothic style. Lech got a key from a priest (who was cleaning his neck with a small cross) & we went down under the church to see the tombs and some of the recently discovered & excavated walls & artifacts from the original church. The first two kings of Poland were buried there, but no evidence remains because

LIDICKER
1981

Sept. 23 cont.

of grave robbers. Next to this church is a small one which Napoleon wanted to take to France, but before it was dismantled, his reign was over. Then we went to the old town & old market place. There there is another large church; this one is in baroque style. We also visited briefly an 18th century's house on the market place that now belongs to PAN. It has a formal meeting room called the "raspberry room" because of the color of its walls. Hotel Lach with Lech is on towers on the square & later went to a wine cellar for a glass of wine. At 15:00 we adjourned on dinner & went back to the Hotel. Stopped to buy a record on the way. Brief discussion with Lech & then at 15:50 I we turned to the train station & with the help of 3 Juste we send away my. The Poznań area is historically the center of Polish culture because it was the area of the Wielki Polska tribe, one of the original 3 tribes. Later this tribe conquered the Małopolska (Kraków region) & Mazowieckie tribe of central Poland to form the first united Poland.

Train left Poznań at 16:15 - exactly on schedule. After an uneventful ride we arrived in Warsaw at 20:00. Then I made my first serious goof of the trip — I left my camera on my seat of the train. Jan Piasecki was to meet me, but he was a little late & so I walked to the Hotel Forum with the help of a young chap who seemed determined to help me carry my bags.



L DICKER
1981

Sept. 23 cont

Jan was at the Hotel waiting for me. He helped me check in & then took my liquid nitrogen tank with him to bring tomorrow to Dziekanow L.

Sept. 24

Took bus & arrived in Dziekanow at 0945. Until 11:30 talked with group in Population Dept: S. Janion, S. Bujalska, Wacław Malinowski & 2 others (both of whom work on Clethrionomys on the island - the Mazurian Lds.).

None had been to my seminar so I covered it in brief outline. We also talked about "superorganisms" & future directions for ecology. The work on "the island" includes relating demography & climate & vegetation & also historical aspects of pop. development (several years ago they removed all "zooplankton" from the island & replaced them with colonizers from the mainland). They also have a monitoring project on Cavia (sarni) & Microtus - using questionnaires to hunters. They are interested in documenting the influence of human activity on these species. For 3 years they have recorded 2000 responses per yr. on C. They also have a project on white mice in captivity. At ~11:30 Krysikova left a meeting she was attending & we went to Łużna to check 30 live traps set for Microtus oeconomus. This is the lake basin visited on Septs. 6 & 12. She had run the traps several times already. We caught: Microtus oeconomus (large & darker than arvalis, but still smaller than californicus) - 5; M. arvalis - ~5; Phodopus

LIDICKER
1981

Sept. 24 cont

syrnicius - 2; A. agrestis - 1; Sorex araneus - 1.

Back to the Instytut & talked with Dr. Tadeusz Prow about EE III. Krystyna helped me to arrange equipment & chemicals for processing microwas on the 26th (sat). They have no natural gas & all other hot-water tanks were empty so it was not possible to fill a few pipettes for demonstrating the eye bleeding technique. They do claim to have ~~water distillation~~^{water}, however, we will see. At 14:00 we had lunch at the Inst., & ~3 we left to drive to Warsaw Centralna to see if by some miracle charney car was still in the lost & found - no luck. From there I walked back to the Hotel, arriving about 16:15. At 18:30 I met Anna Dobrowolska who had invited me to the opera. We walked to the opera house (~26 min.). The performance started at 19:00. It was "Halka" by Stanisław Moniuszka (1819-1872). This is a Polish version of a traditional love story & is a national opera. Three folk dances were featured (polonaise, a mazurka, & a mountain dance unlike anything I had seen before). We had a snack at the H. Forum afterwards.

Sept. 25

Took bus to Andryzejewski's, arriving 07:58. We went to Lwize to pick up the 30 traps there. Jeff of Instytut joined us with trap boxes. So Andryzejewski's & I & Leszek Nabaglio all gathered up the traps.

LIDICKER
1981

Sept 25 cont.

Catch: Micromys oeconomus - 1, M. arvalis - 2 (kgs 0.31); Apodemus sylvaticus - 1; A. agrarius - 1, + 1 dead Sciurus. In Andryszewski's kitchen we pulled out a few ^{glass} lighters on their gas stove. The Roman went to work, & the rest of us down to the M. arvalis study area, picking up R. Rogalska on the way. This made 4 of us plus a driver. The study area is a government farm about 25 ha ^w of Warsaw called Płockocin. On this farm they have 3 grids, each 15×15 traps at 5 m intervals = $\frac{1}{4}$ ha. One grid is in an open shadow cut area for hay & subsequently grazed. Although this is currently a peak in numbers of arvalis, they caught only 24 on this grid. Fairly strong wind kept setting off the traps because the open door sticks stamp up into the air. The other 2 grids are - alfalfa ("luzerna"). They had had a small hay crop & harvesting was still going on in the fields. We saw some evidence of construction of deeper winter burrows in the sandy soil of the area. They are too noisy running the felis separator - felines since several weeks ago I showed them the felis-pon ("lp" = fused; "r" = sl. open; "rd" = wide open). I also demonstrated the post-orbital bleeding technique on 2 roles; it worked fine. K. successfully tried it on a 3rd individual. Finished 3 grids at 12:00. Returned to a small trailer by the farm's main village which they use to autotax dead animals & have a little "bar-b-que". We found the

Lidicean
1981

Sept 25 cont.

trials to be vandalized with most of their equipment stolen. They called the milicja who promised to come over promptly. While we waited we had some free-hand. At ~ 1400 they still hadn't come so we began to move back to a nearby village. We stopped at several shops on the way - to get meat & tooth-paste (unsuccessfully), etc. At 1600 we started to run grids again. Catch was much smaller. There was light rain between our two sessions on the grids, & wind continued strong. I found a dead wasp (*Muscidifurax sororius*) on one of the alfalfa grids; there was nothing obviously wrong with it. On my last stop in a neighboring town to speak to police (milicja) about the break-in & the trailer. Then we drove back to S edge of town where Regina & I got out to get a bus into town. The others returned to Dzisakowice. From the central railway station I walked back to the Hotel arriving ~ 1900. Had dinner in the hotel after a shave & change of clothes.

Sept. 26

Walked to SAS office on Navy Street only to find it closed even though sign on door says open Saturday (Subota) 8:30 - 12:30. Orkis office - Hotel was also closed even though hours listed did not exclude Sat. So confirmation of my airline reservations will have to wait until Monday. Sent cable to Nils Stenseth in Oslo regarding to his



LIDICKER
1981

Sep. 26 cont.

cabl received yesterday. Took bus to ~~air~~ Dziekanow arriving at 10:25, 25 min. late. Just because first bus was so crowded the rear door wouldn't open & I could not get off at Place Komuny Partyjnej to transfer & had to come back from the next stop. Wiera Walkowska met me at the dusty first entrance to make sure I got into the lab ok. At 11:30 she gave me a lunch in her flat at the Inst. & again at about 16:00. Otherwise I worked continuously preparing 12 microtus from the size. I attempted chromosome slides for 8. I also obtained about 8 rolling up the skins tying in a plastic bag & putting in the liquid nitrogen. I didn't quite finish the last 4 chromosome preparations before I had to leave after 1800. Left several suspensions in the centrifuge. There are also about 7 more microtus left to do tomorrow. Got a ride with Dr. H.-Ilkowska & Dr. Kajak both hydrobiologists at the Inst. Kajak walked me to ^{her} 2nd flat when I was met by Jan Pirowski. We walked to Jan's flat when he & daughter Agnieszka & I had dinner. Afterwards Krystyna came by briefly to confer on plans for tomorrow. Jan & I continued our discussions regarding Plessey session B for ICE III. At 22:30 took train back into town. As train took unfamiliar route I got off a little too soon & had to walk from the Warszawa Okole railway station. I was not sure if this train went ~~to~~ ^E an Afje

LIDICKER
1981

Sept
~~26~~ 26 cont.

Jerusalemite or not; it did. Got back to Hotel about 23:10. Received notice from Hotel that day light saving is ending tonight.

Sept
~~27~~ 27

Left Hotel ~05:15 to take bus to Djakariv. They were very crowded so many people were going to the country to pick mushrooms. It was a warm day, & was without a coat & with my sweater in my brief case (when it stayed all day). Arrived Djakariv ~10:30 & I as we walked left give me the keys, I got into the lab & worked to finish processing the Microtus oeconomus from Tuzie. Finished taking blood, tissues, & skulls from the 8 morning individuals ~13:30. Kryzlyan arrived at 13:00 & when I finished we took the liquid nitrogen tank & my equipment & drove back to the Hotel with it. We looked in some of the shops around the Hotel, but everything was closed. So we drove on to the flea market ~1545. Roman had started the dinner so we ate ~1630. Then we talked & drank tea & talked & had supper about 2200. I finally left about 2230, taking the A bus back to the Hotel. Worked until after midnight on my seminar.

Sept
~~28~~ 28

Went to SAS office on Norway Street arriving at 0830. They opened later at 0835 & I confirmed my reservations to Oslo. Left on ~~buses~~ buses to Djakariv at 0915, arriving about 10:15. Gabriela Bujalska was still in

LIDICKEN
1981

Sep. 28 cont.

Today so I wrote a message for Dr. Walkowiak who is in a meeting w/ Pirowski, Andryzejewski, Nalezyto, etc., and left a note for Dr. Dr. Wacław Matłakowski, was having his 2nd annual day, so I joined the party in his office. Then I talked with him regarding his research at Tomasz (his PhD work) & current work on captive white mice.

The Tomasz research involved 2 large grids run weekly for about 60-90 weeks inspecting. One was for Cladionomus, Glauculus (tornice) & the other for Microtus arvalis (tornik polny a. zwyczajny). He is interested in spatial & temporal dimensions of grouping, & is trying to look for a quasimetric groups of individuals based on trapping record. He has also calculated the distance between centers of home range & find a constant value or width range of densities. For the mus he is studying groups of 8 for food in 2 large cages connected by 2 tunnels. He claims that an isolated mouse starves to death on 2.5 g of food/day, but that groups will do fine on this amount. Then he went back to a 2nd party in his office. Krystyna got out of her meeting at ~11:30. Met Dr. Fisher who is Vice-Director of the Instytut. Also Wiesław Majurkiewicz said hello briefly. Krystyna arranged through Pirowski to have a letter signed by Fisher stating that I had permission to take specimens out of the country. We didn't get away from the dust until after almost 13:00. She brought the Fiat & we drove to the "old town" for some shopping. Then we had a quick lunch & went back

LIDICKEN
1981

Sept. 28 cont

Off to Warsaw Univ., arriving at 1505. My seminar - on Reproductive ecology of the California vole, was scheduled for 1500 but others were late due so the began ~15:15. I was introduced by Dr. J. G:II. Discussion went to about 16:30. G:II gave me some documents to deliver to Dr. Warren Evans of UC Davis. It was well after 1700 by the time we got away. This seminar was arranged by Anna Dobrowolska. Krystyna then dropped me off at the Hotel. I bought a few items at the Cepelia shop near the Hotel. Had dinner in the Hotel (this dinner was 380 + 40 tip). Back to my room to begin getting organized for tomorrow's departure.

At dinner waiter offered to sell me a "souvenir" of Poland. It turned out to be a 20g. can of black caviar for \$30. Needless to say I declined his offer.

Sept 29

Took taxi to airport leaving Hotel at 11:05. After checking ~~the~~ luggage had cup of coffee with Krystyna. Airport officials objected to my taking the liquid N₂ tank in the cabin, but no one showed up to check it in luggage so in the end I took it on the plane with me. Plane (SAS) left on schedule at 13:05. Arrived Copenhagen ~ 1420 (like lunch on flight). Met couple from Bay Area on plane: Mayer Galler (CSUH Library, Hayward, CA.) & Ruth Sibley (Moffitt Library, UC Berkeley). They had been traveling in Russia & for a few days - Poland. Galler

LIDICKER
1981

Sept. 29 cont.

was born in Bielystok ~~on~~ except for the Warsaw ghetto in 1940. Spent 12 yrs. in Soviet prison before being exonerated. Lived in Copenhagen. Took off for Oslo (SAS) at 15:08, arriving 16:05 (on schedule). We met Nils Chr. Stenseth upon speedy passage through customs. We drove to the University of Oslo where he had arranged for me to stay in a long guest room in the Biology Bldg. We talked until about 17:15 & then drove to his apartment where I had dinner with him & his wife Bjorg. They have a beautiful 2-story flat. Bjorg who is a teacher took me back to the Biol. Bldg.

Sept. 30

Met Nils at 0805 & we went to soldiers union where I had breakfast & he had a cup of coffee. Afterwards we talked & I worked on my seminar & reading papers. Also visited for 1/2 hour as I did not sleep much last night. From 12:15 to 13:15 gave seminar on "Substratizing - populations of the California Vole" (Zoological Institute). Then we went to the Univ. cashier's office where after some delay I was paid ~1850 kr. for my seminars. Hot lunch - small cafeteria - the Biol. Bldg. Afterwards much more discussion. This ~~visit~~ took up to us w/ Erik Framstad (who spent 1 yrs. at Colorado St. Univ.) & Per Magne Jensen (student working with fish fall traps with Lemmus). Rested for 1 hour. Then Nils & I were driven into town to have dinner at

LIDICKER
1981

Sept. 30 cont.

acting Spanish course (Español con Miki). It cost me each kr. 85. (exchange rate = ~ 5.50 kr. to 12 \$). Rain = afternoon & evening. After dinner we walked around the downtown area (Sentrum) for while. Then I took the subway-tram back to the University (kr. 6).

Oct. 1

Nils joined me for breakfast at the student union. It is hard to believe there are 20,000 students at the Univ. since it seems very quiet & uncrowded. We worked most of the day discussing the "multi-factorial" model of pop. regulation and trying to model the Microtus californicus population cycle. At about 1300 we drove to the Edward Munch Museum for lunch in this restaurant & tour of the museum's Munch paintings. It was very worthwhile. Rain most of day, sometimes hard. Got back to the Estiatorie at 1500. Continued discussion of modeling until 1715. Then I went to my room to work on tomorrow's seminar. At 18:15 Nils & I left & took the bus to his apartment for dinner. Rye & Byorg cooked a great meal. At 22:30 I took the bus (no. 20) back to the University.

Oct. 2

Went to student union for breakfast at ~ 0810. Nils joined me there. At 0915 gave seminar on the ecology & sociobiology of the tigra vole. Good discussion.

LIDICKER
1981

Oct. 2 cont.

until ~11:00. Several us went for lunch in the cafeteria in the Biology building (including Eric Framstad + 2 students — one working on *Lemna* using fit traps + one working on *Scirpus vulgaris* using telemetry. After lunch I went to my room to write a letter to Poland (K. A-H) + then went to union bookshop + bought 2 records of Norwegian dances (total kr 105). At ~ ~~15:45~~^{15:45} we went back to Nils' office + we continued with our modeling project. At about 18:30 we drove to center of town + had dinner at the Grand Cafe (= the Grand Hotel). This restaurant was a center of bohemian culture at the end of the 19th century. Nils dropped me off back at the University ~ 22:30.

Oct. 3

Got + ready for breakfast at ~ 08:45. Met Nils, Chr. about 09:30. We left for shopping in Sentrum of Oslo. Stopped until 13:00. Lots of crowds in downtown area with sellers for various political causes, street musicians, religious groups, etc. One group on horseback + Western dress was handing out leaflets, + their sole mission was apparently to "have fun". Large section of shopping area was off for pedestrians + drivers only. Returned to large store selling hand made things only to find that it closed at 13:00. Drove to mountain style restaurant a short distance north of town which

LIDICKER

1981

Oct. 3 cont.

is close to two spectacular ski jumps. Had lunch in cheaper of two restaurants in the mountain chalet. Returned to Zoology Institute to continue talking & working on modeling M. calif. cycles. At about 1900 we finished & went to Restaurant called Pinnacles for dinner. Returned to room \sim 2200. Overcast all day w/ light to start getting very snit-coats again. rain in afternoon & evening. Nils thinks that the average annual salary = Norway is about 8000 kr. I did not meet Nils colleague Eivind Østbygge because he is spending a week or so in Poland (today). The new appointment is the instead position of Professor of Ecology & Morphology at the University of Helsinki is Olli Järvinen.

Oct. 4

Nils awoke at 0830 & we drove to the airport. Still overcast. Some heavy rain overnight. We had breakfast at the airport. SAS flight left at 0955 (scheduled departure at 0950). Arrived Copenhagen at 10:50. Arrived the airport = Copenhagen 20 km. Blood-leaded Gull & Common (= Mew) Gull. SAS flight to Seattle took off at 12:07 (scheduled departure at 11:50). Flying the 9 hrs & 25 min. with 8 hr. time change. At 15:10 we were crossing the E. coast of Greenland. Went over Great Slave Lake & on into Seattle at 13:25. Customs & 2nd level. United flight to S.F. on schedule. ~~Arrived~~ Left 1600 & arrived \sim 1745.

LIDICKER
1981

Sagehen Creek Field Sta. - Mammalogy class field trip

Oct. 16 - Left about 10:10. Arrived about 1430. Set 5 Tomahawk traps for Neotoma cinerea in "rock pile" (along creek E of Sta.) - baited with 1 mouse + peanut butter - out 2:15. Also made 4 gopher sets - 2 locations. In evening had + found trap of Sandy Martin on the road on Mortens - 12 Basin. Checked trap lines. Caught 2 Neotoma, one of which escaped by squeezing through gap along side trap door.

Oct. 17 - Up at 0700. No additional Neotoma although all traps had bait taken. Caught 2 adult ♀ gophers in sun set (at same time). There was robbing in a nearby set. One additional set was plugged + re-set. So 2 sets left out. I skinned a Microtus sp.? carpus in a log 300 m. south of the station by Sandy Martin (WZC # 3867). At 1400 all but 2 of the group traps for Sierra Valley + trapping - the desert N of Chilcoot (Plumas Co.). I set out a line of 19 log traps.

2 mi. N, 1 mi. E
Chilcoot, 5530 ft. ↗
Shuman traps - bait dry oats with a little peanut butter + 1 one trap. Two cars with about $\frac{1}{2}$ the group traps ~ 1800 + returned to Sagehen. The car stayed to camp in the desert (actually a small pond) on the slopes of the Lathrop m. I also set 4 Tomahawk live traps for Neotoma beside a small rock outcrop + on the slope to the N of the valley. There was old sign only. Some fresh gopher sign and the traps' composite (oats, + well + jaws). Got back to Sta. 1900. After dinner, about 12 of us spent $1\frac{1}{2}$ hours watching

LIDICKOR

1981

Oct. 17 cont.

for beaver in several ponds within a 1 km downstream from the Sta. We had 1 tail drop & a few land beaver growing no thinner we saw none.

Oct. 18 Up at 0600 so we could leave for Sta. at 0630 arriving ~ 07:30. Picked up traps & students leaving for the Sta. ~ 0930. Now 1 of the 4 Neotoma was found. In the Stream this 2nd bird: 2 Dipodomys deserti ~ 4 (2 released & 2 kept by Phil Boylston), Perognathus, Jervis ~ 3 (all kept by Boylston), Peromyscus maniculatus ~ 2 (released). So 1 not trap but 1 D. deserti times (WZL # 3868) [When we left the Sta. house, checked 2 soft traps left out earlier. One picked up. The other one was heavily plugged with grass so re-set again. This set was picked up by Duke Rogers in afternoon & caught softie given to me I started to skin - Chris].

After returning to Sta. had skinning session (skinned my own trap-tipped life; lunch; left ~ 13:25. Drove back 170.

A few noteworthy birds seen:

G. & B. Blue Heron - 2 (Sierra Valley)

Cooper Hawk - 1

Red-tailed Hawk - 4 +

Rough-legged Hawk ? - 1

Marsh Hawk - 2

Sandhill Cranes - 1 (seen by 1 student - my guess). - Sierra

Kingfisher - 1 or 2 (Sierra)

LIDICKER
1981

Oct 16-18 bird list cont.

Flicker - 2+

Downy Woodpecker - 1

Downy Woodpecker - 1 (Auburn)

Williamson's Sapsucker - 1 ♂

White-bellied Woodpecker - 1 ♂ (S. of Chicoast)

Boreal Lark - Sierra Valley

Steller's Jay

Scrub Jay (Auburn)

Pinyon Jay - 8± (S. of Chicoast)

Magpie

Mr. Ch. Shrike

Red or New World - 2±

W. T. " " - 1 (S. of Chicoast) - watched as it
seemed to be storing food (small coconuts?) -
and = bark of large tree

Brown Creeper - 1 (S. of Chicoast)

Brewer's Wren - 1 (") - singing

Yellow-margined Warbler - 20± (Sagamore)

W. Meadowlark (Sierra Valley) - 5±

Juncos - 50±

W. v. & Golden Cr. Sparrows - (Auburn).



